

20120-50028001

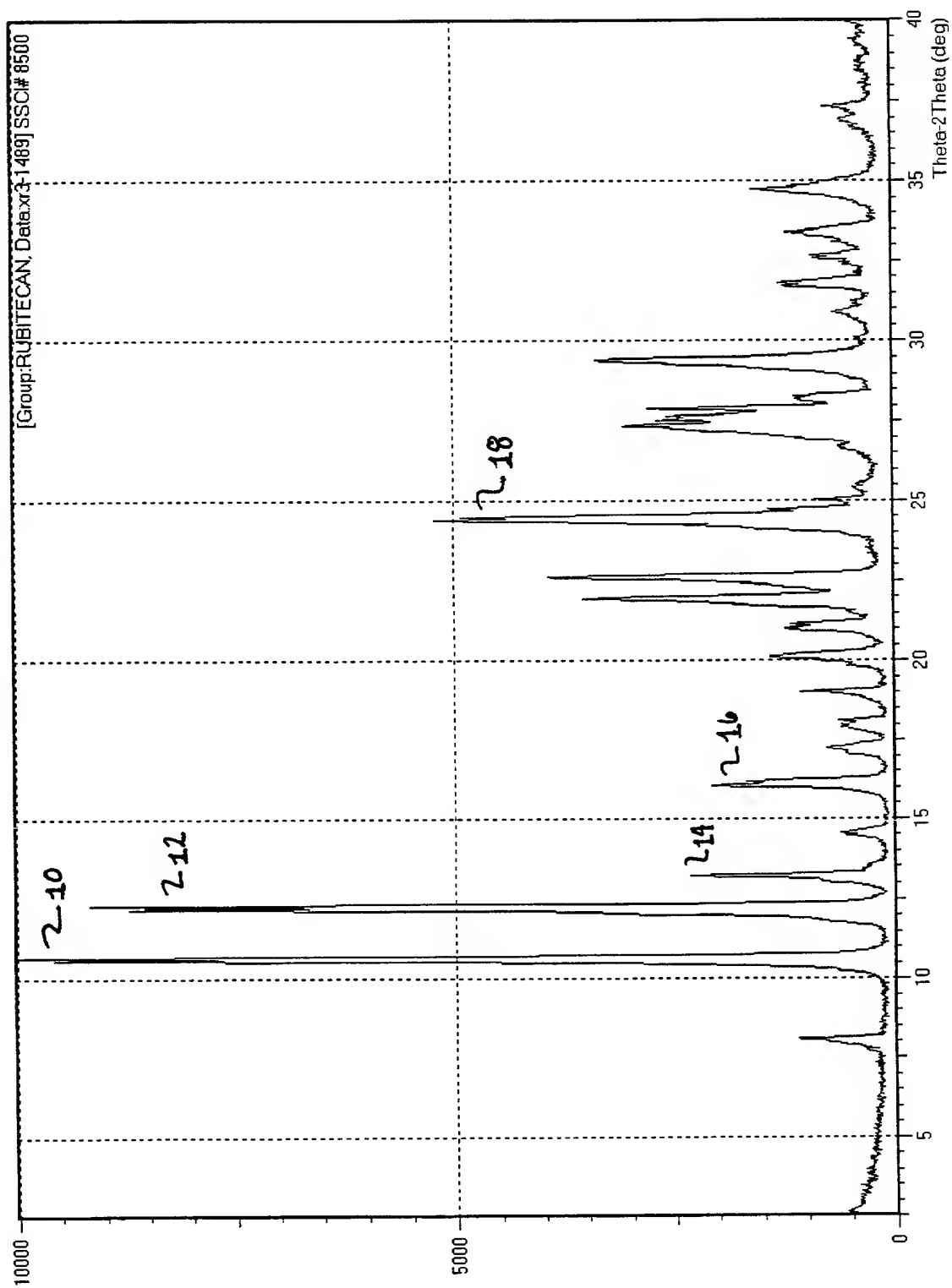


FIG. 1

DSC (bottom) and TGA (top) of Rubitecan Form A.

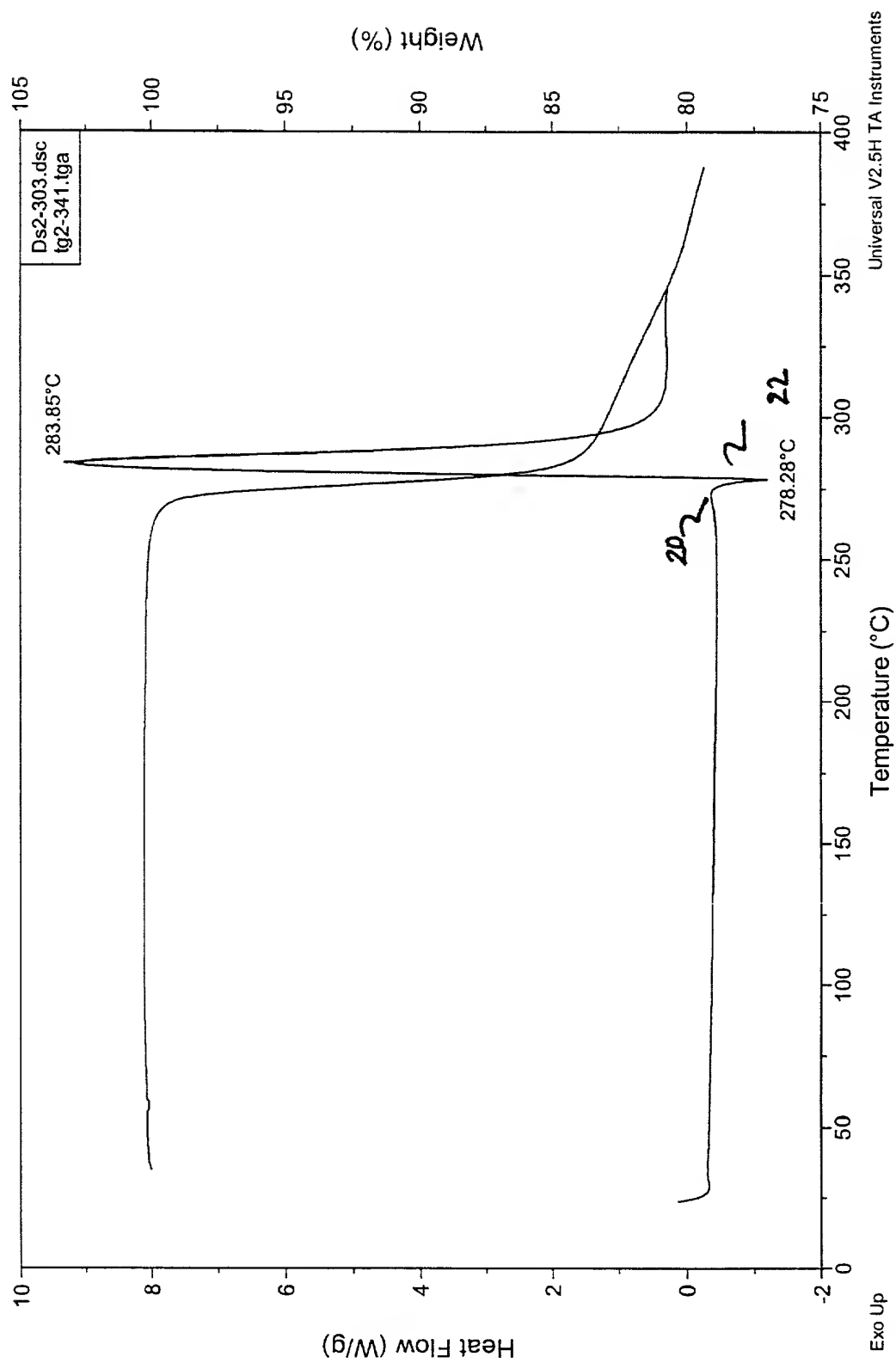


FIG. 2

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:06:50 2000  
 Number of sample scans: 128  
 Number of background scans: 128  
 Resolution: 2.000  
 Sample gain: 8.0  
 Mirror velocity: 0.6329  
 Aperture 69.00

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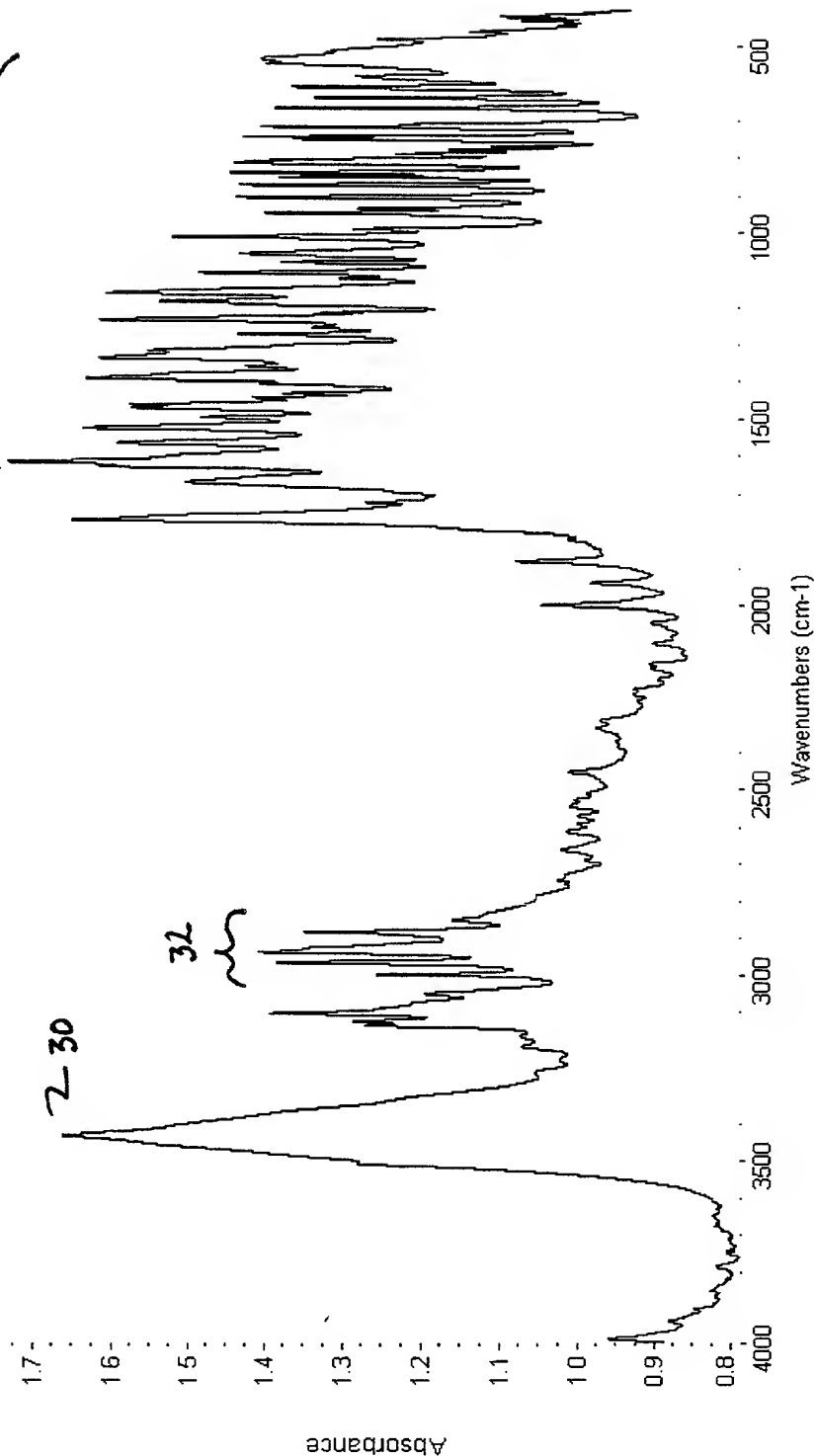


FIG. 3

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 20:43:15 2000  
 Number of sample scans: 128  
 Number of background scans: 0  
 Resolution: 4.000  
 Sample gain: 32.0  
 Mirror velocity: 0.3165  
 Aperture: 59.00

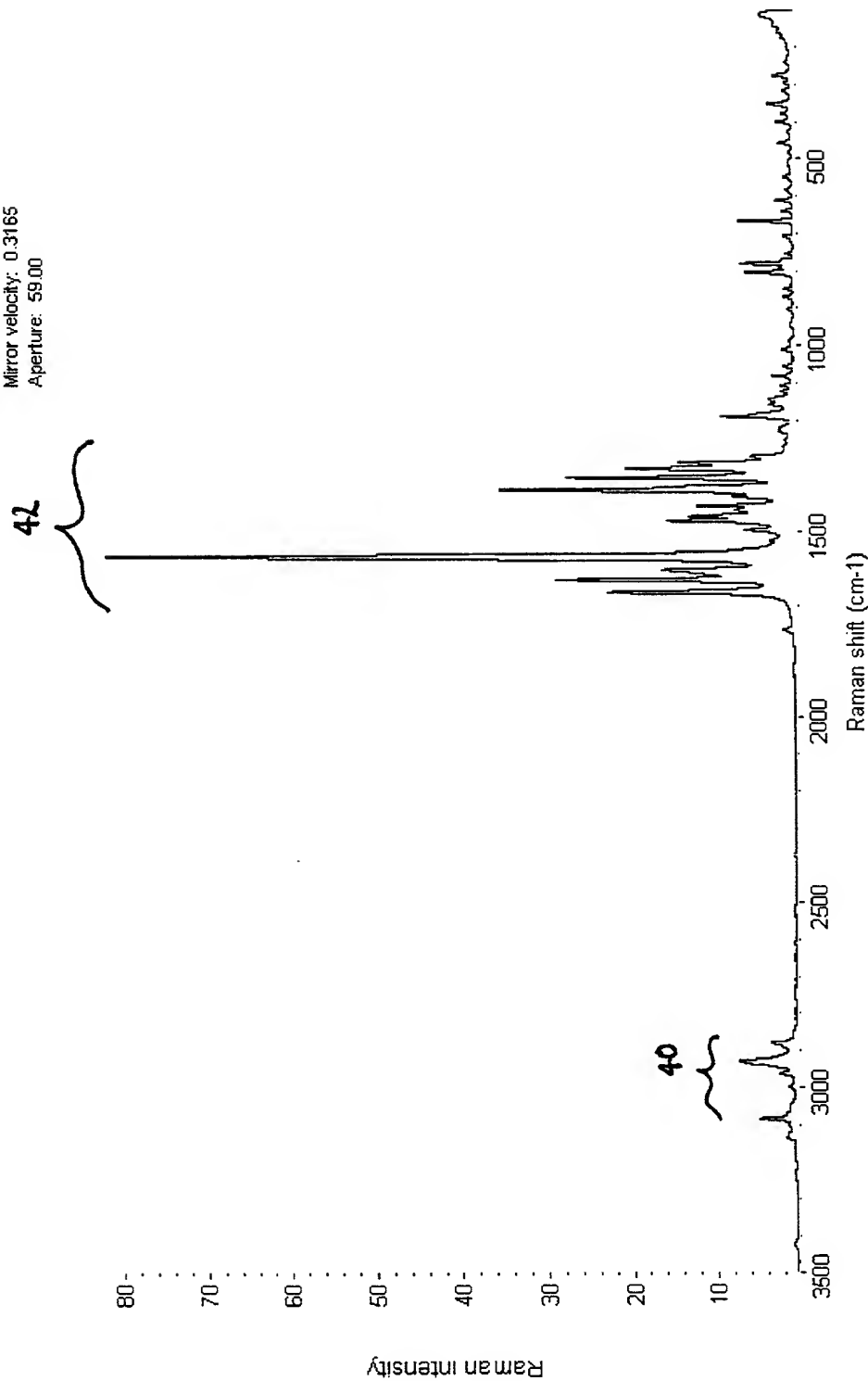


FIG. 4

201220" F002500T

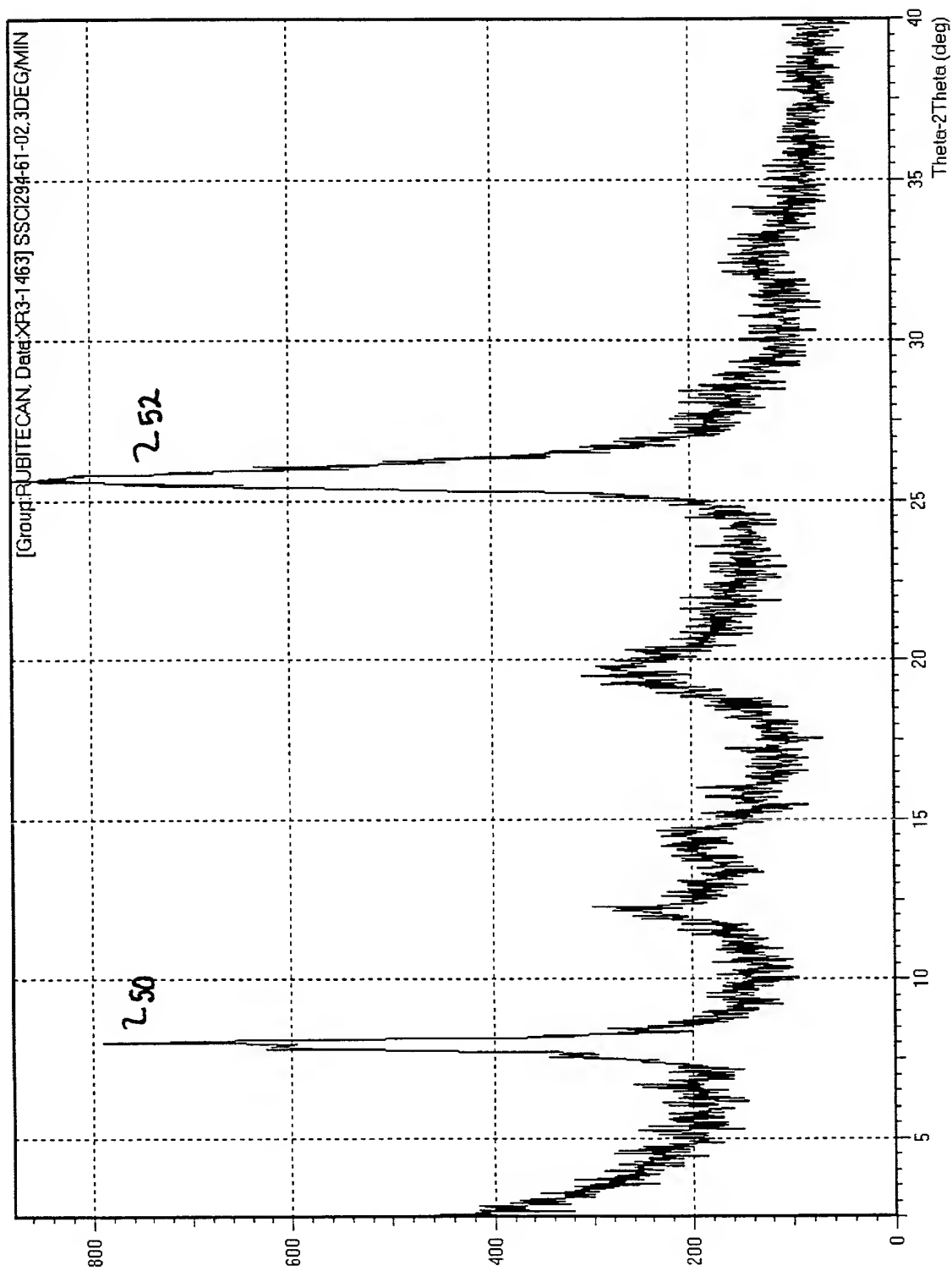
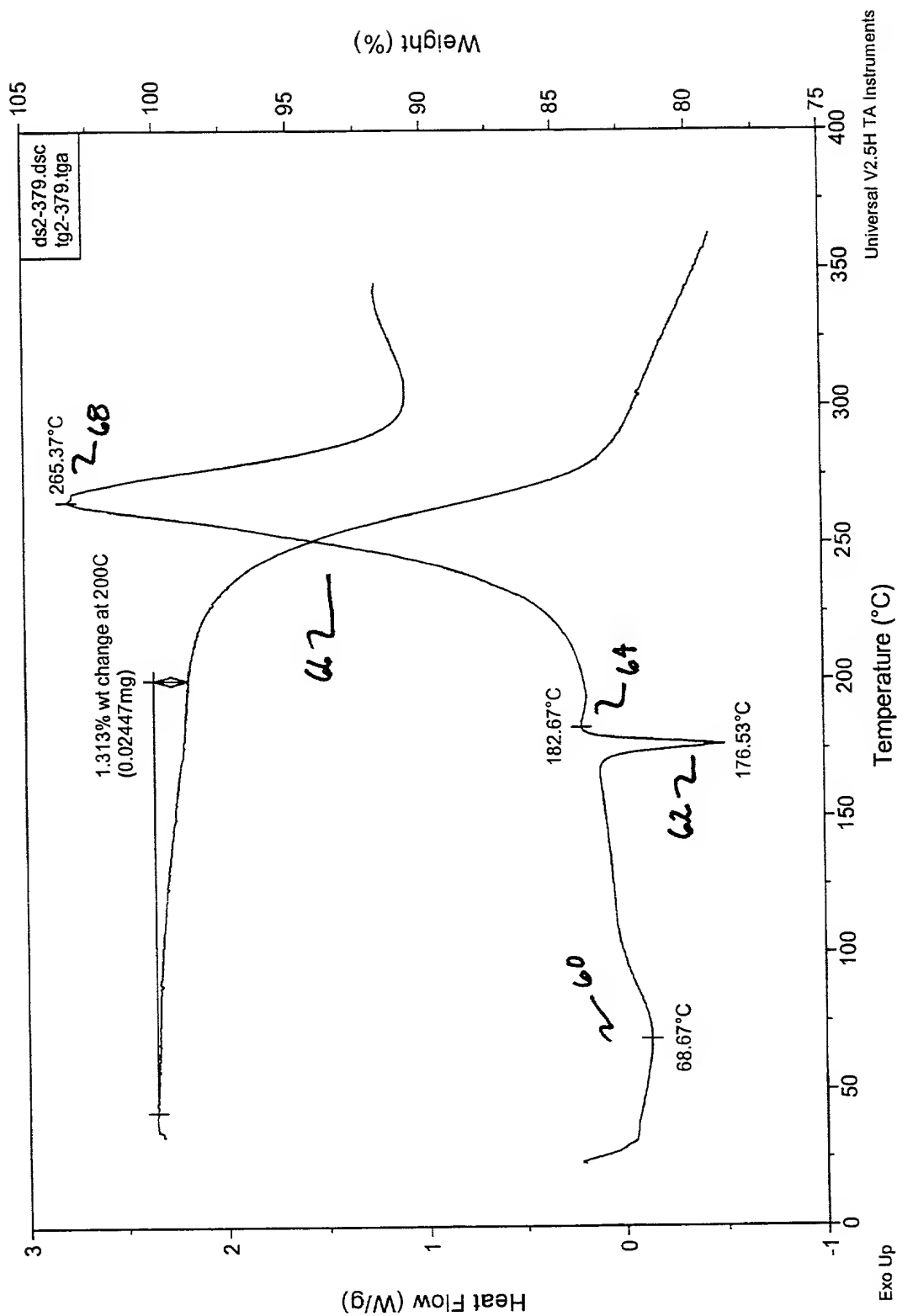


FIG. 5

**DSC (bottom) and TGA (top) of Rubitecan Form B.**

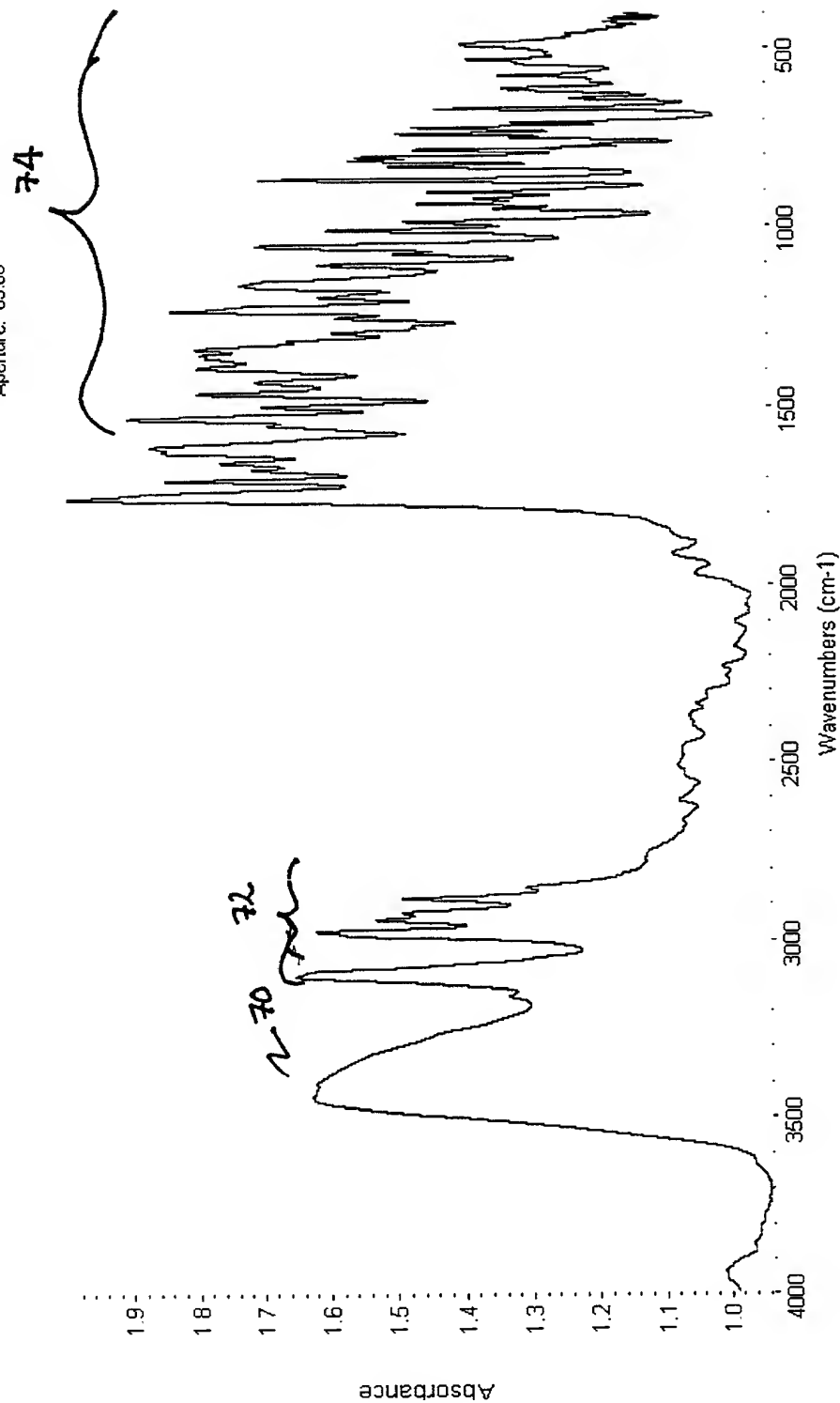


**FIG. 6**

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:31:51 2000  
 Number of sample scans: 128  
 Number of background scans: 128  
 Resolution: 2.000  
 Sample gain: 8.0  
 Mirror velocity: 0.6329  
 Aperture: 69.00



# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 21:08:40 2000  
 Number of sample scans: 128  
 Number of background scans: 0  
 Resolution: 4.000  
 Sample gain: 64.0  
 Mirror velocity: 0.3165  
 Aperture: 59.00

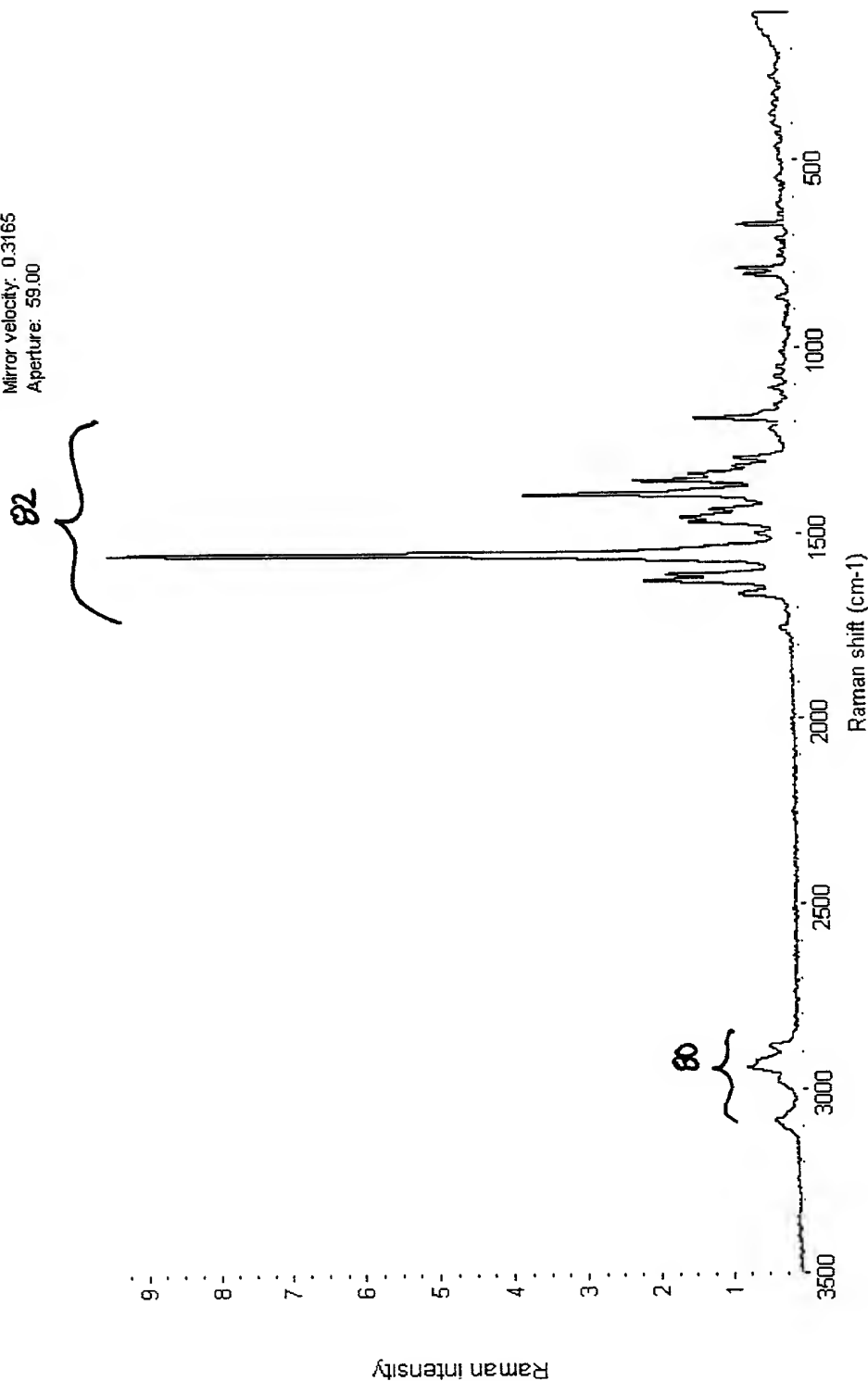


FIG. 8



201220 60028001

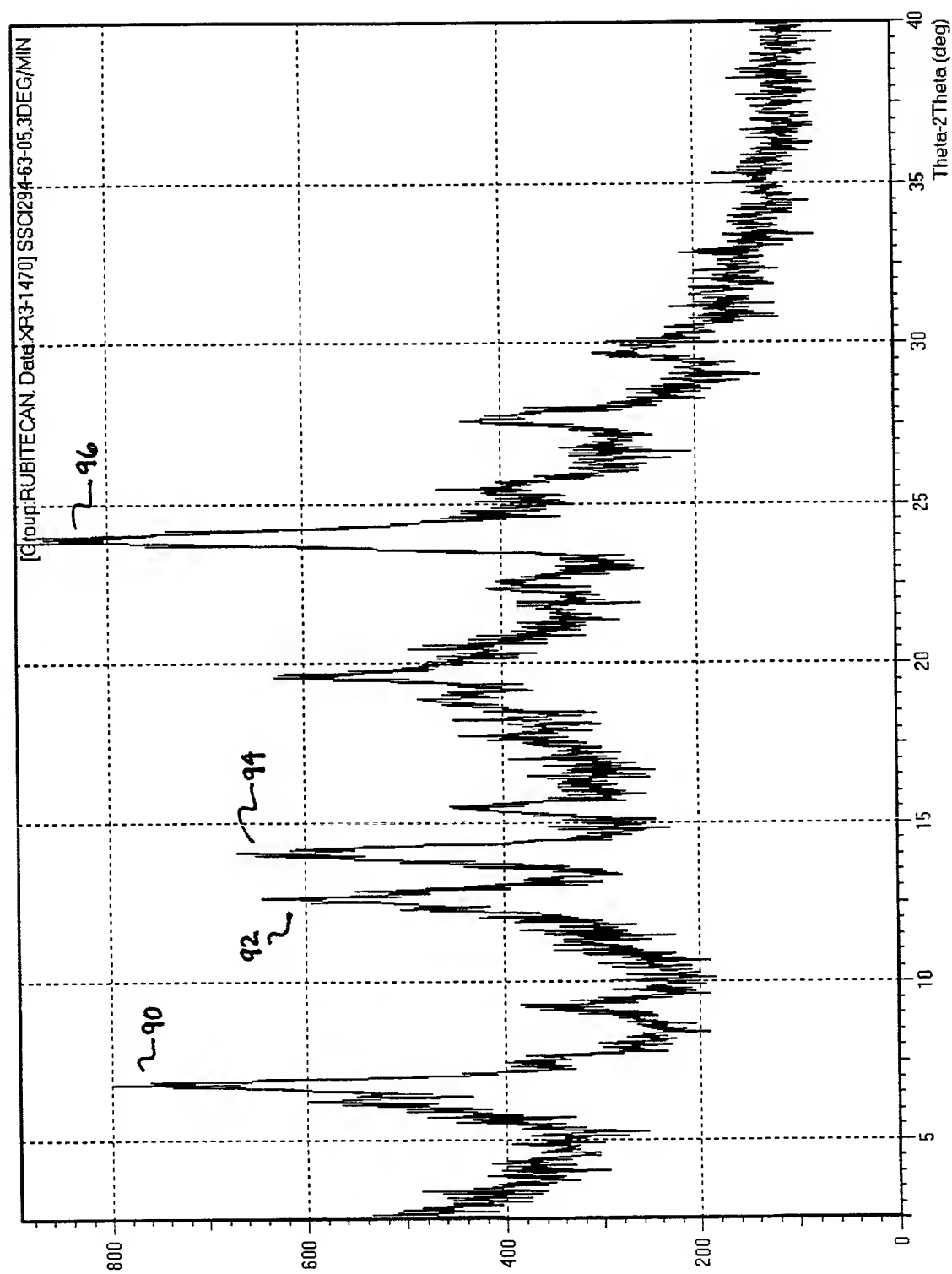


FIG. 9

# DSC (bottom) and TGA (top) of Rubitecan Form C.

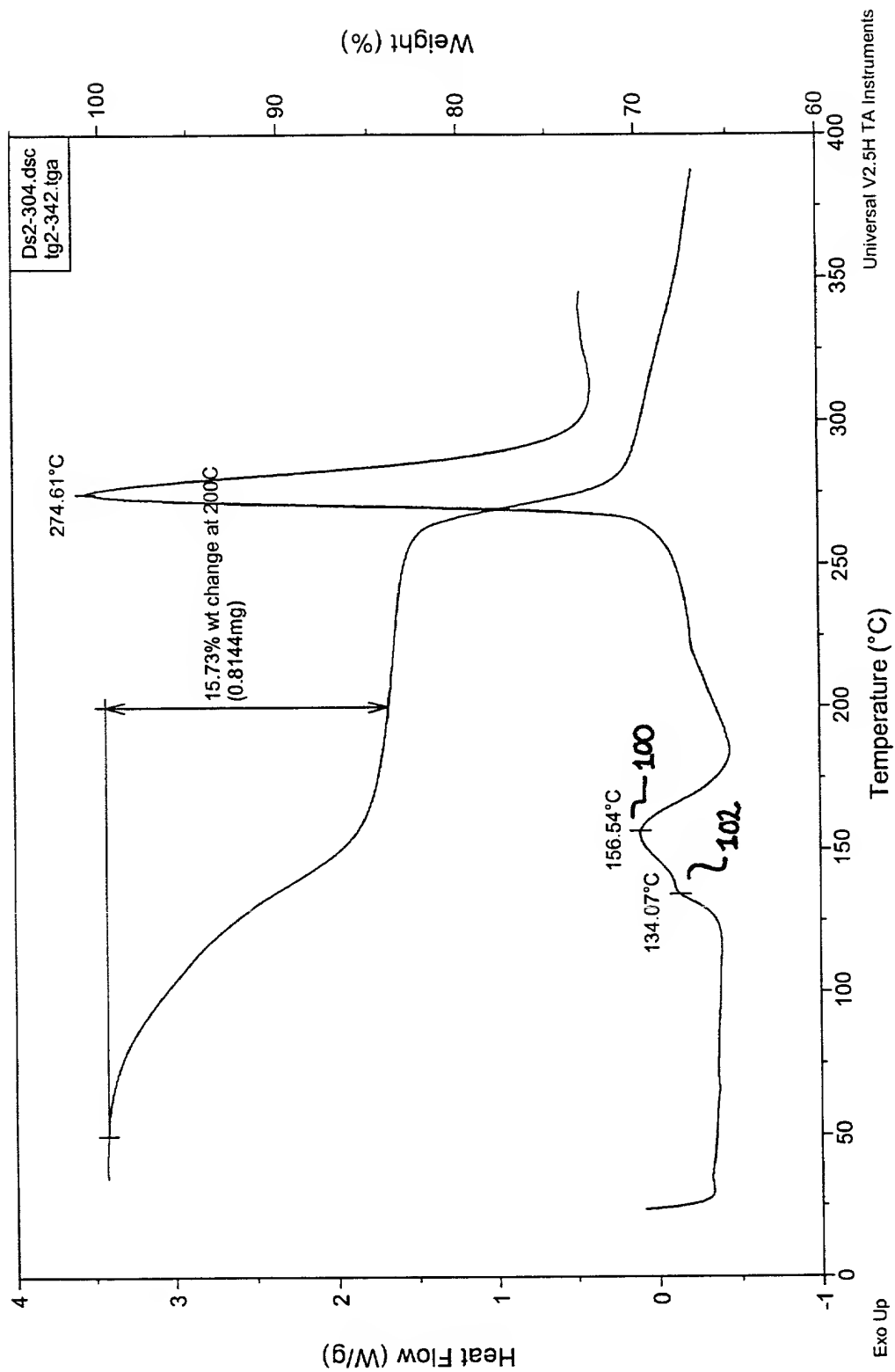


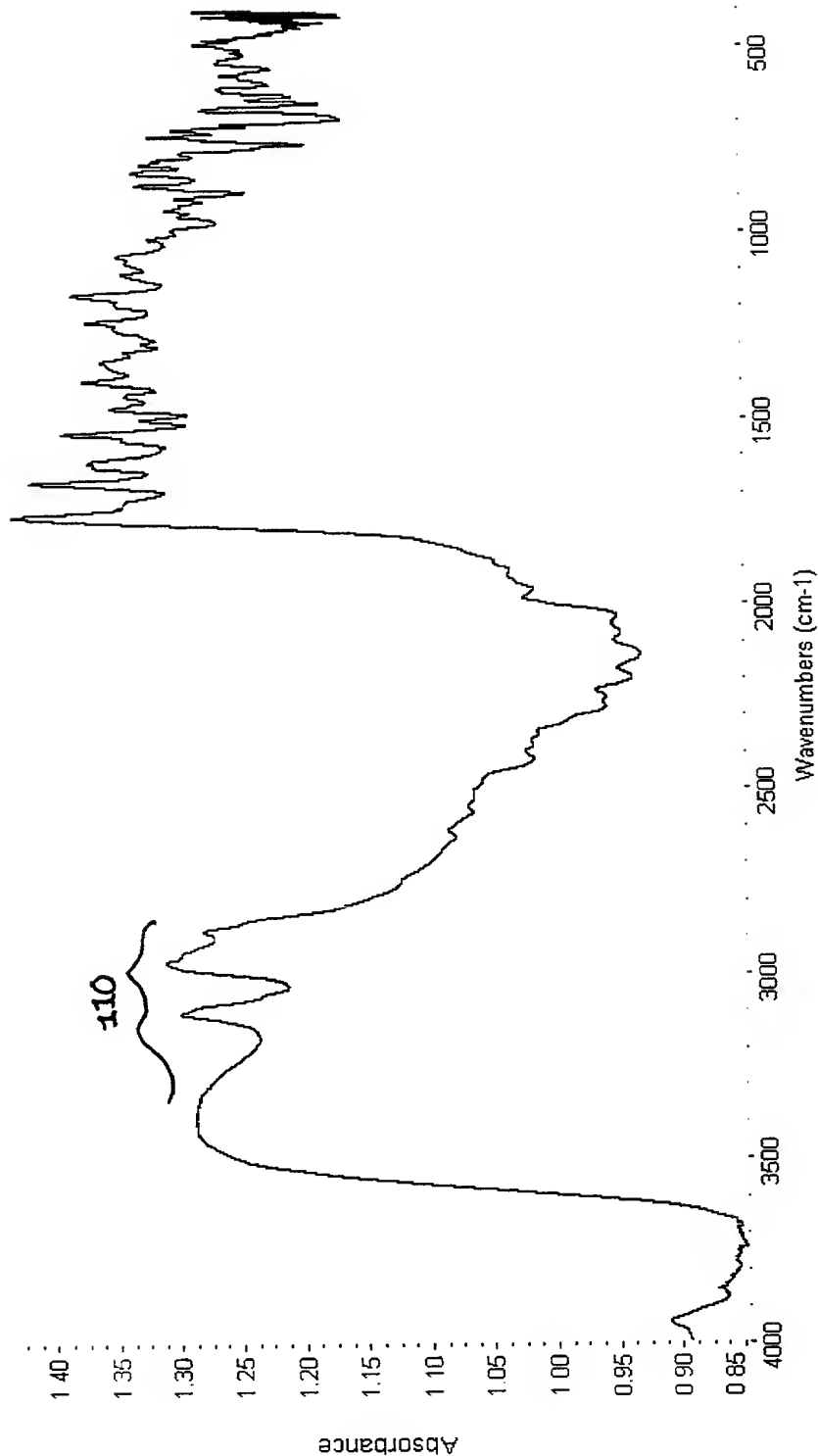
FIG. 10

201220" E0026004

**IR Spectrum, Nicolet model 860 FT-IR**

**Acquisition Parameters**

Collection time: Sat Feb 26 18:40:03 2000  
Number of sample scans: 128  
Number of background scans: 128  
Resolution: 2.000  
Sample gain: 8.0  
Mirror velocity: 0.6329  
Aperture: 69.00



**FIG. 11**

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 21:02:29 2000  
 Number of sample scans: 128  
 Number of background scans: 0  
 Resolution: 4.000  
 Sample gain: 64.0  
 Mirror velocity: 0.3165  
 Aperture: 59.00

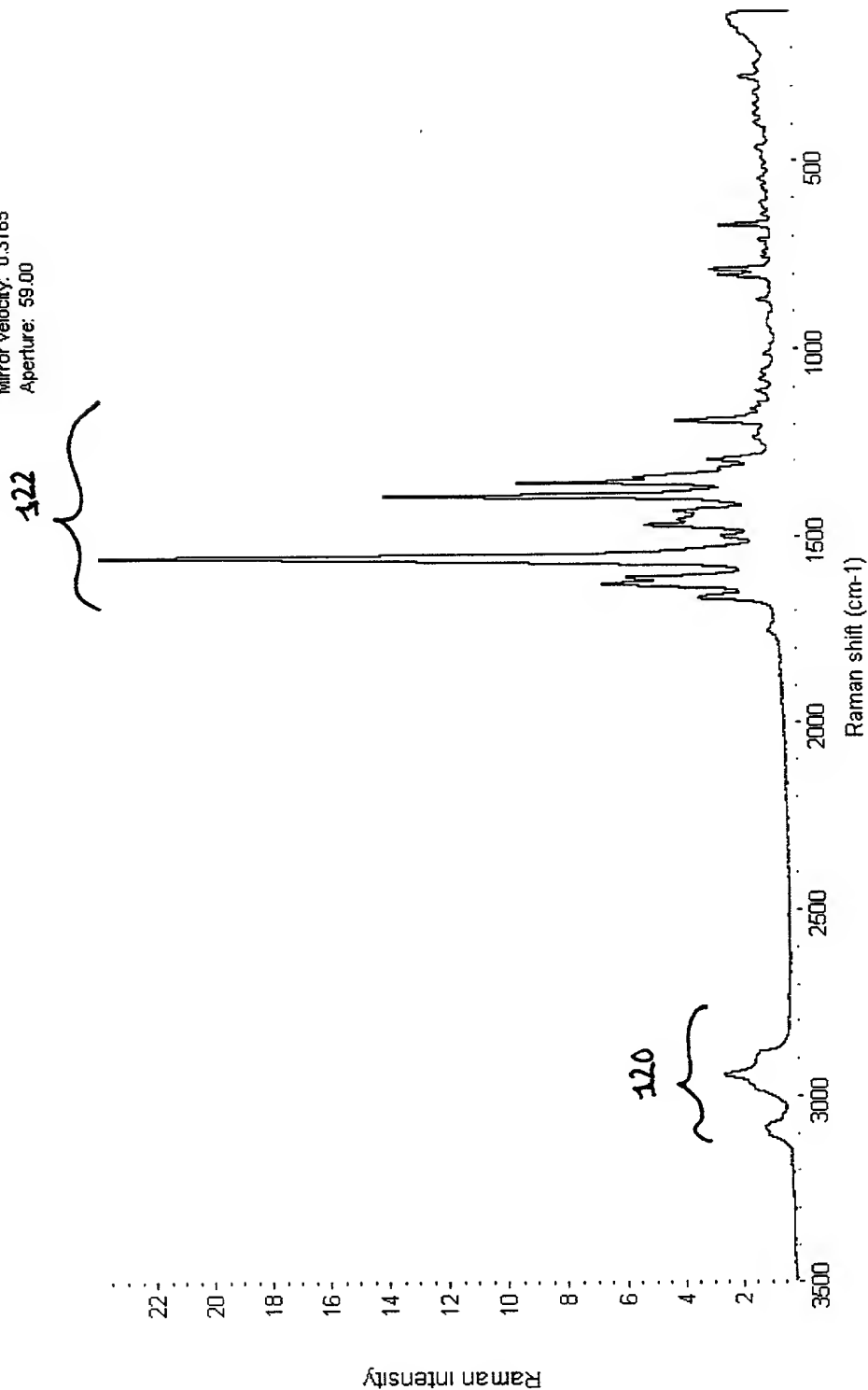


FIG. 12

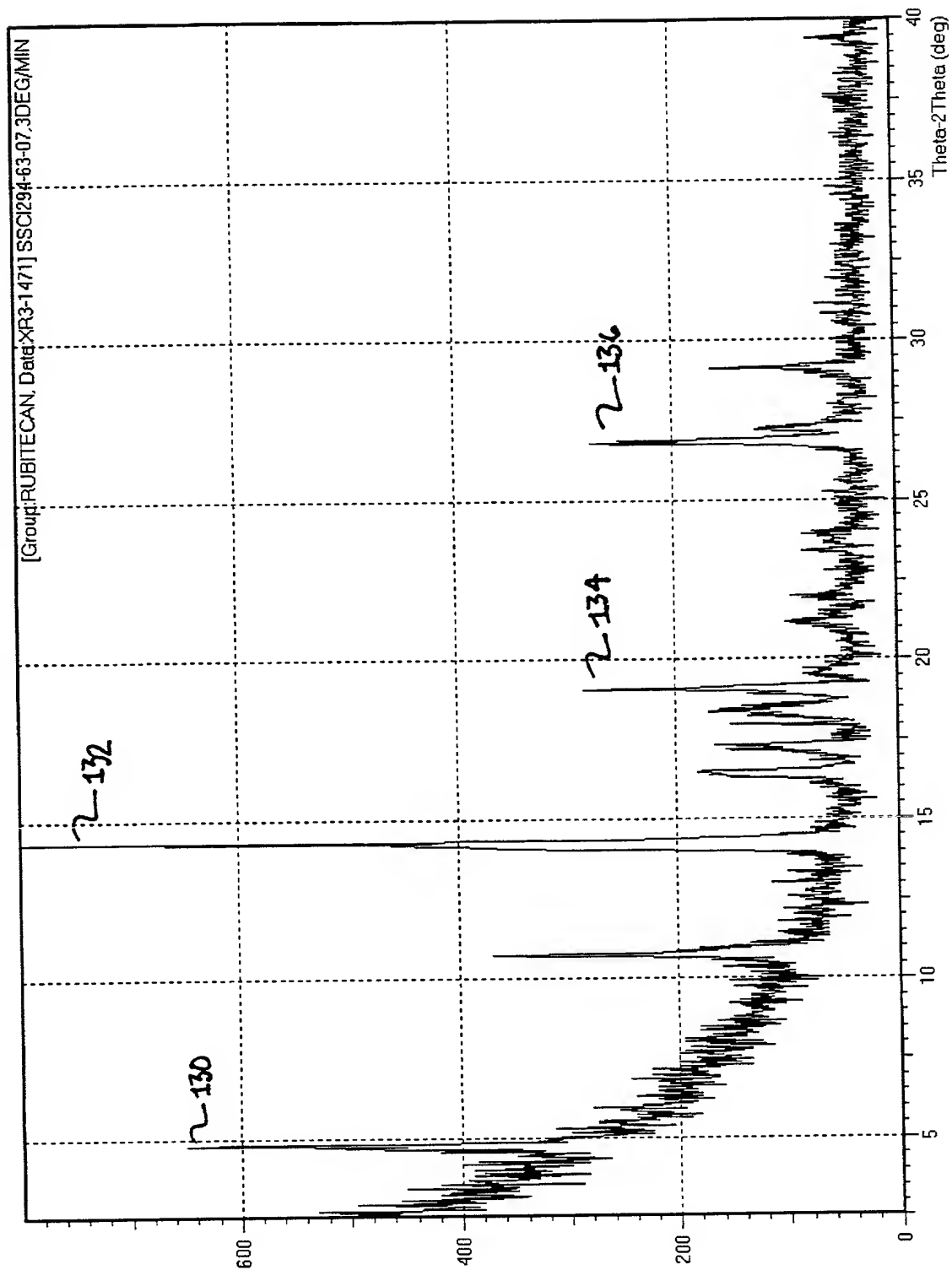


FIG. 13

DSC (bottom) and TGA (top) of Rubitecan Form D.

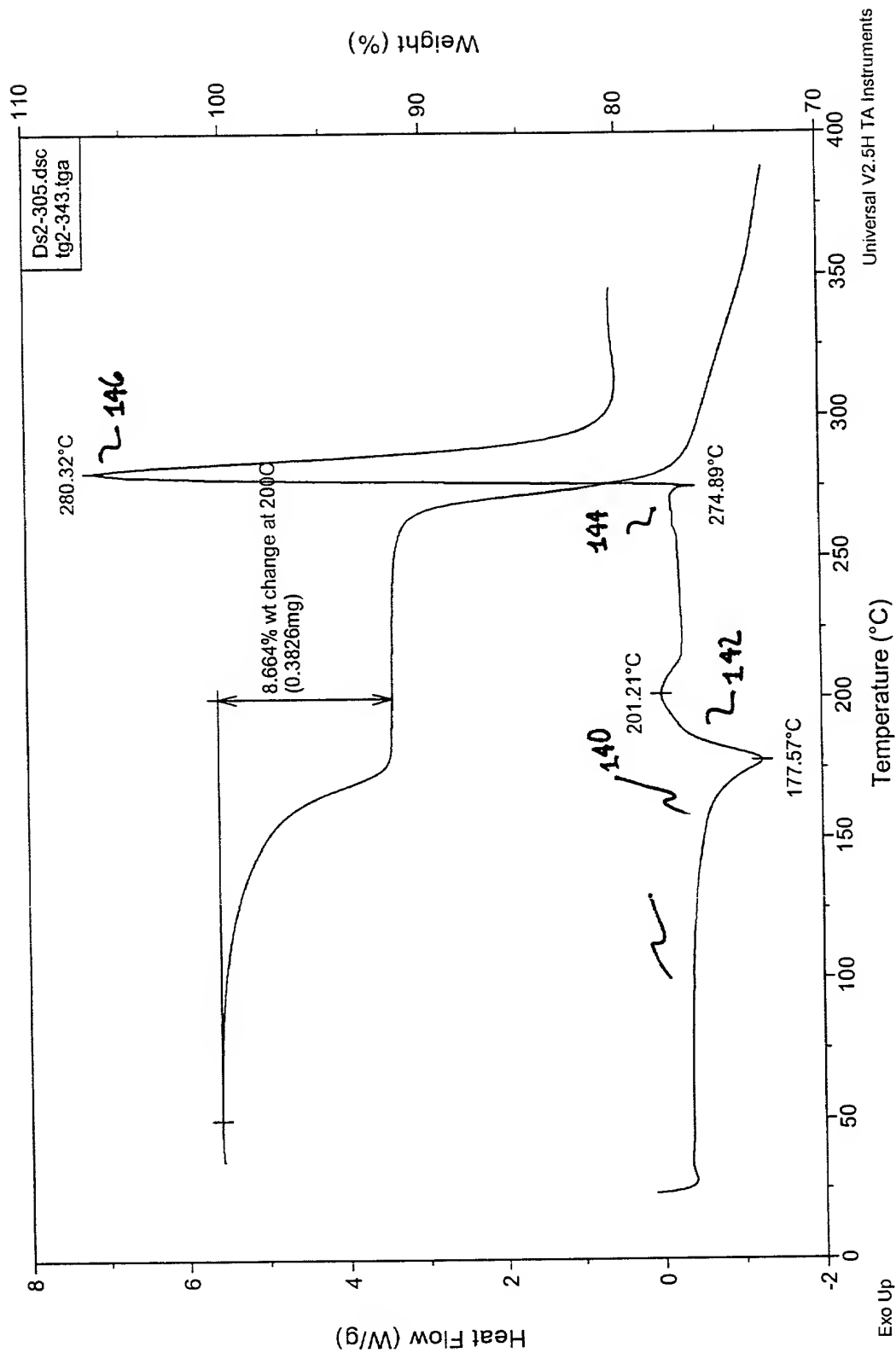


FIG. 14

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:22:39 2000  
 Number of sample scans: 128  
 Number of background scans: 128  
 Resolution: 2.000  
 Sample gain: 8.0  
 Mirror velocity: 0.6329  
 Aperture: 69.00

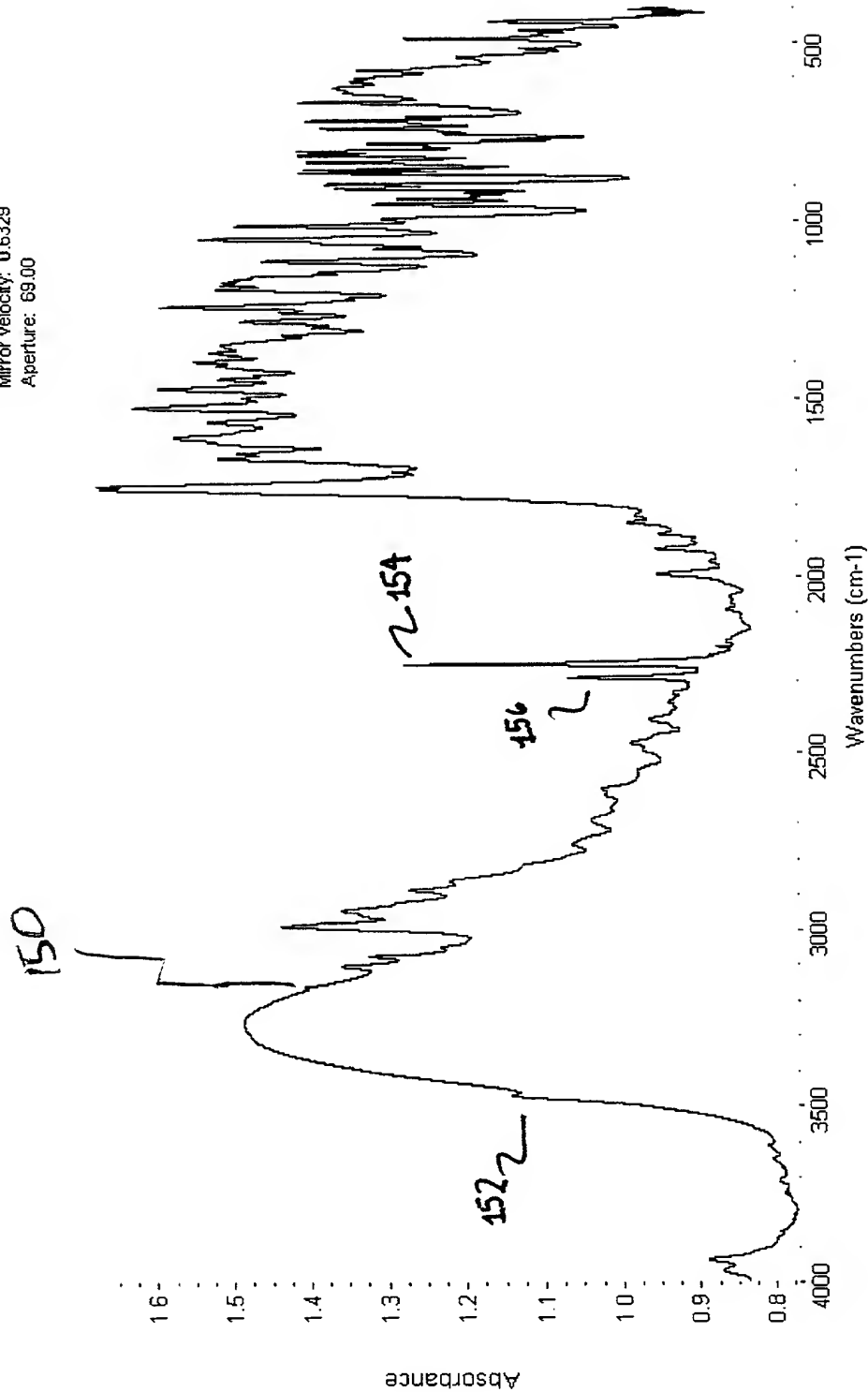


FIG. 15

Raman Spectrum, Nicolet model 860 FT-Raman

Acquisition Parameters

Collection time: Sat Feb 26 20:49:39 2000  
Number of sample scans: 128  
Number of background scans: 0  
Resolution: 4.000  
Sample gain: 64.0  
Mirror velocity: 0.3165  
Aperture: 59.00

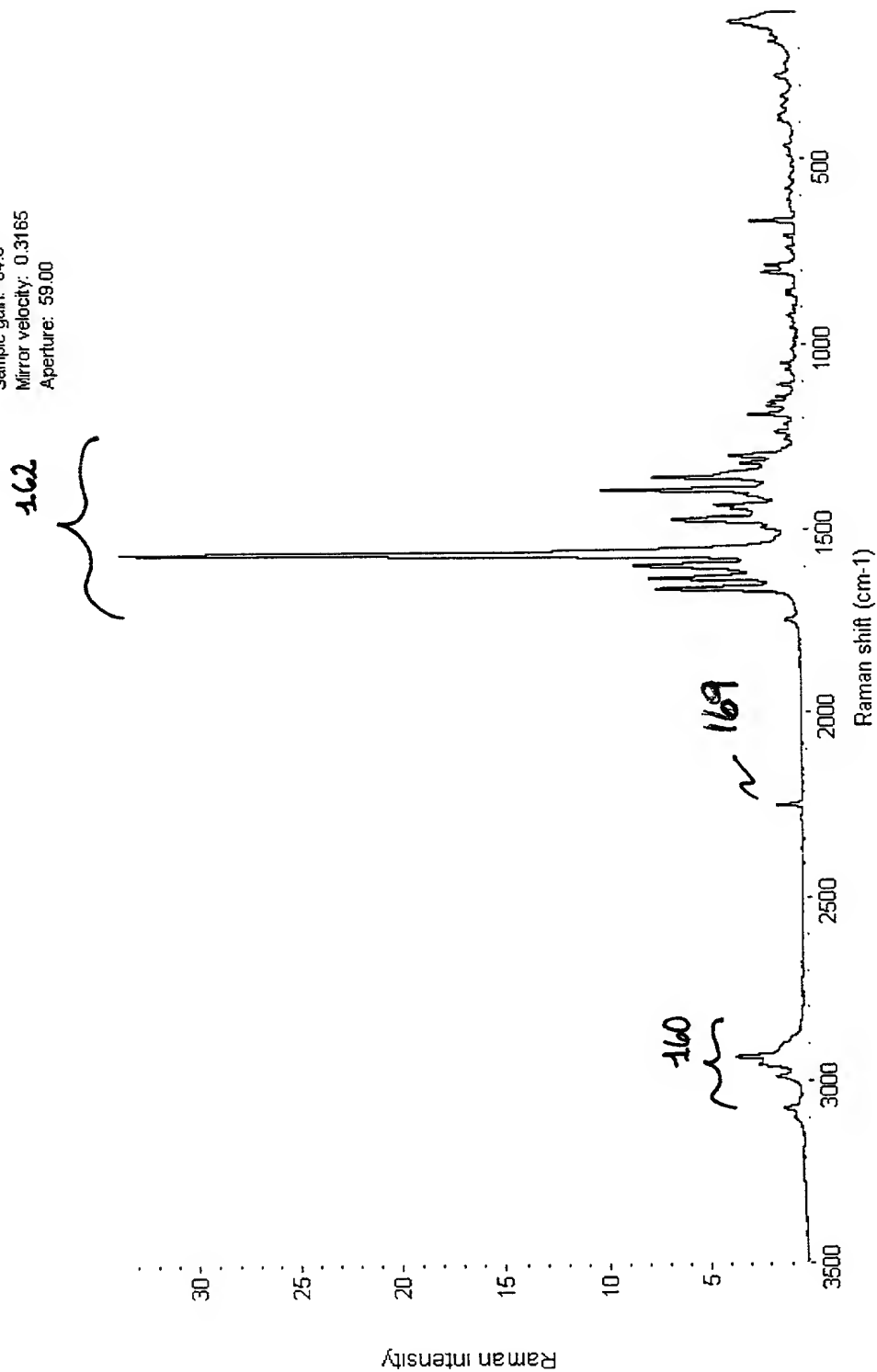


FIG. 16



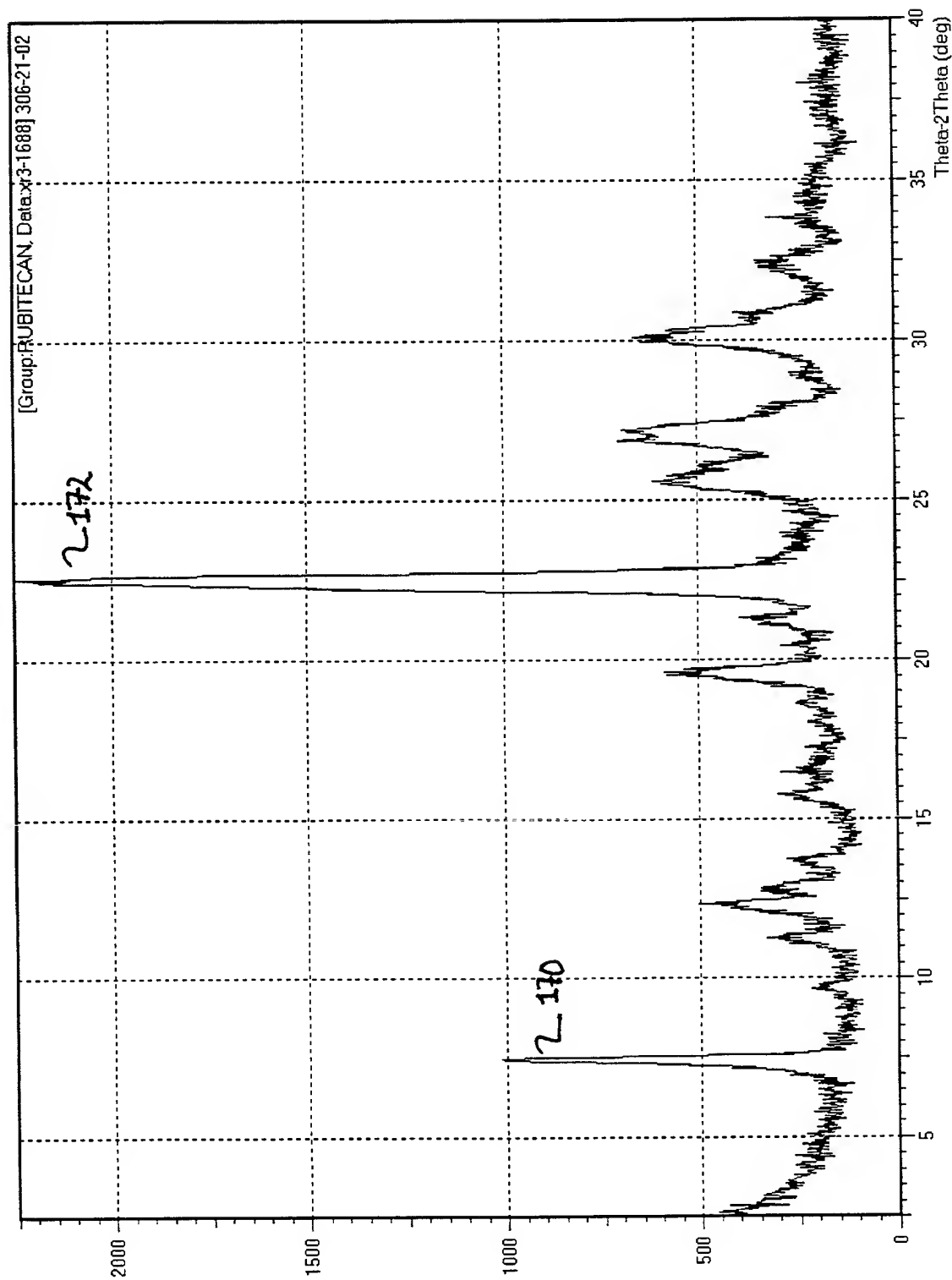
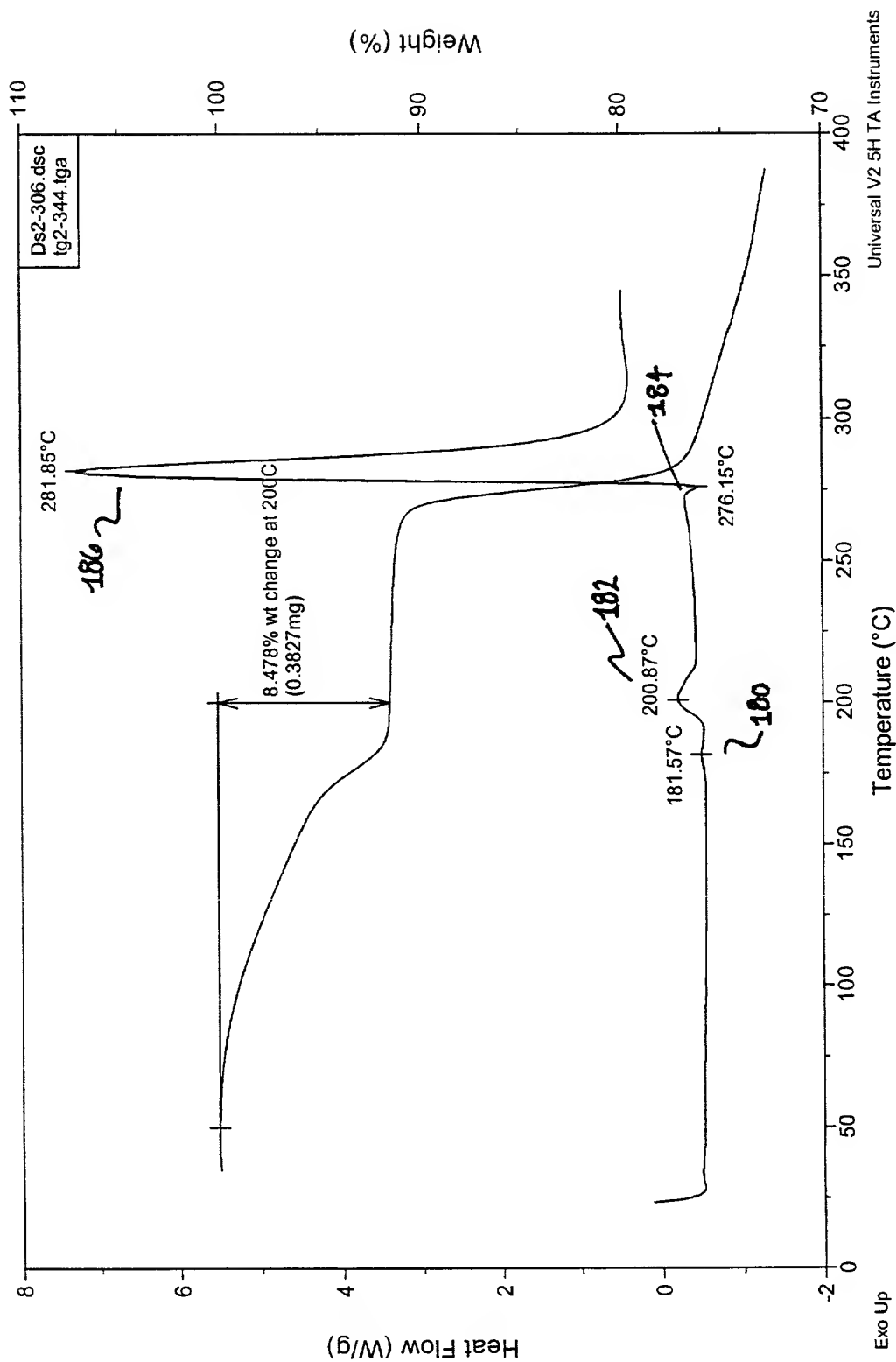


FIG. 17

**DSC (bottom) and TGA (top) of Rubitecan Form E.**



**FIG. 18**

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Sat Feb 26 18:14:49 2000  
 Number of sample scans: 128  
 Number of background scans: 128  
 Resolution: 2.000  
 Sample gain: 8.0  
 Mirror velocity: 0.6329  
 Aperture: 69.00

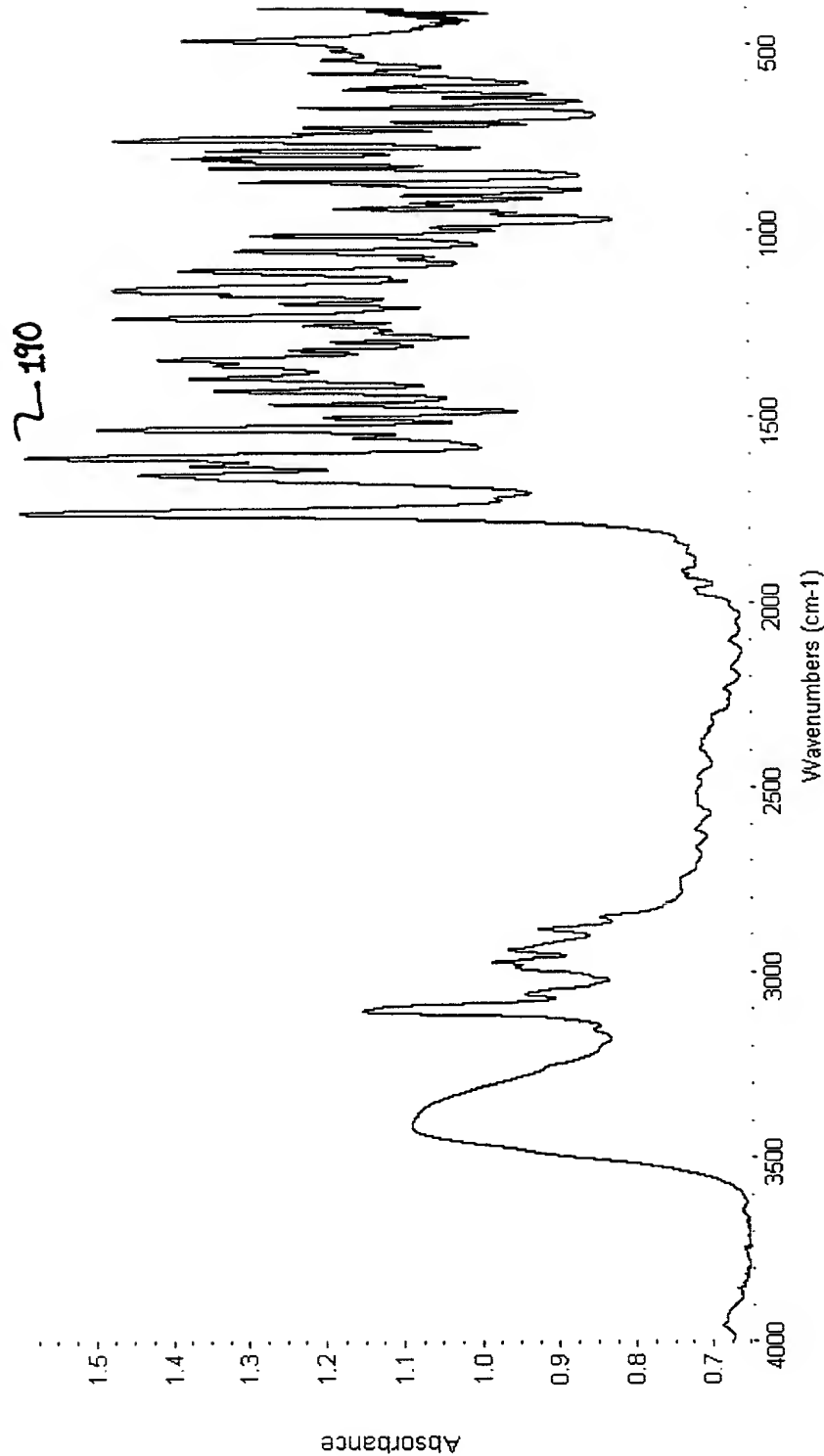


FIG. 19

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Sat Feb 26 20:55:54 2000  
 Number of sample scans: 128  
 Number of background scans: 0  
 Resolution: 4.000  
 Sample gain: 64.0  
 Mirror velocity: 0.3165  
 Aperture: 59.00

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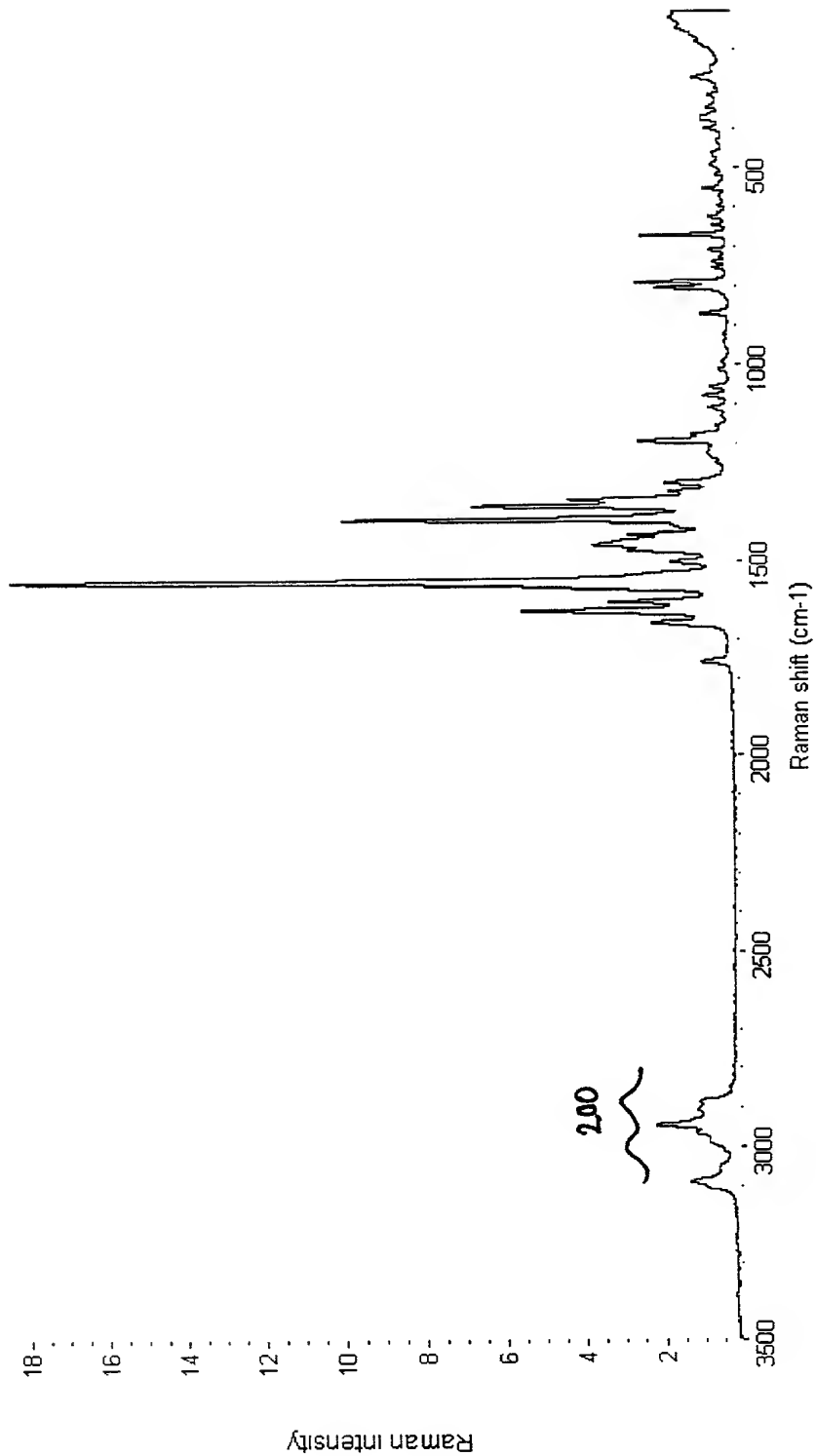


FIG. 20

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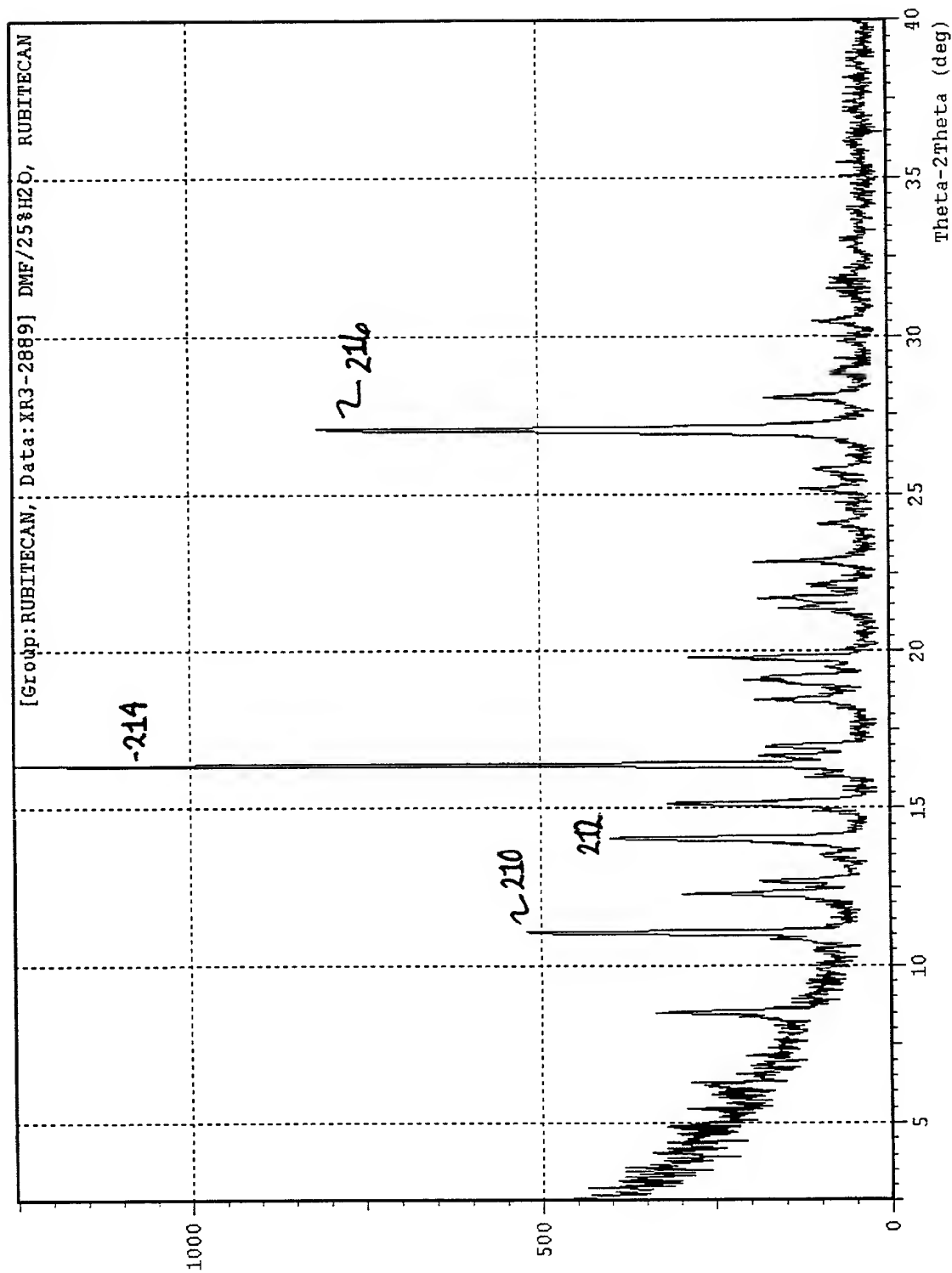


FIG. 21

201220" E002800F  
TGA of Rubitecan Form F.

Sample: RUBITECAN  
Size: 0.6500 mg  
Method: RUBITECAN  
Comment: SSC# 3131902, DMF/25%H<sub>2</sub>O, A VS C, NTBK 270-62

TGA

File: D:\...ldsc\ga\lg2-378.tga  
Operator: BAC  
Run Date: 4-Apr-00 10:07

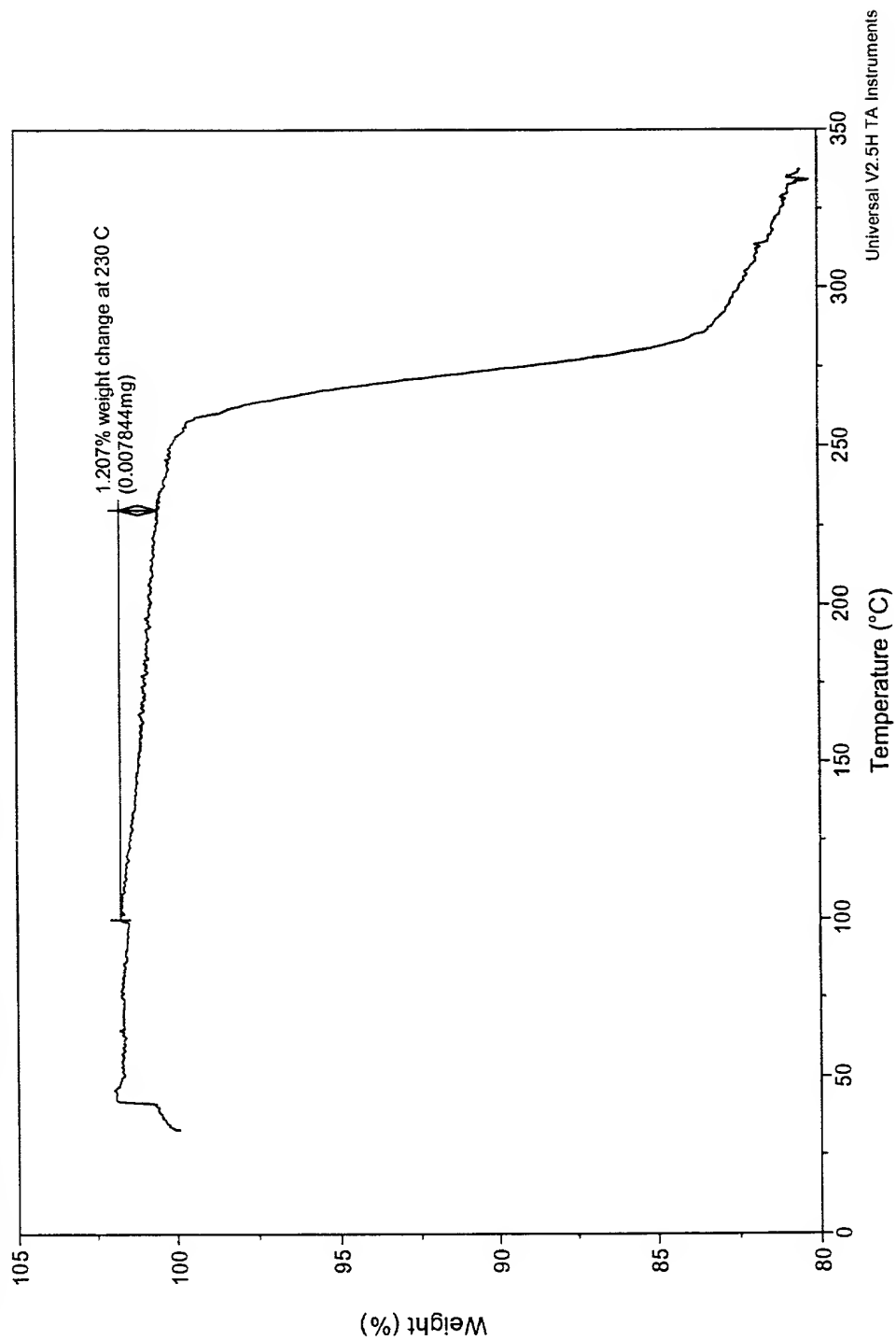


FIG. 22

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 11 12:56:27 2000  
 Number of sample scans: 256  
 Number of background scans: 256  
 Resolution: 4.000  
 Sample gain: 8.0  
 Mirror velocity: 0.6329  
 Aperture: 100.00

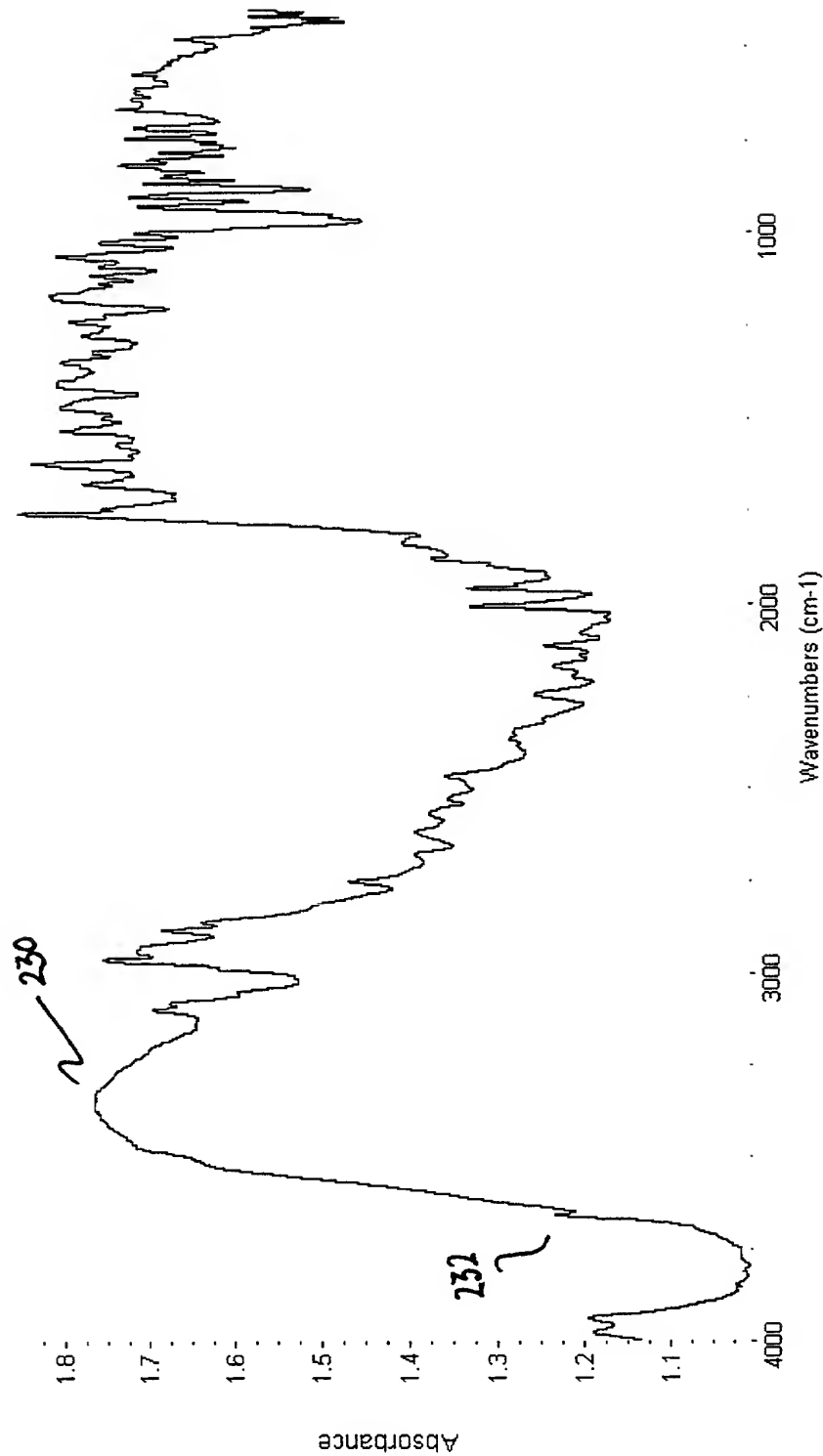


FIG. 23

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Thu May 11 13:32:48 2000  
 Number of sample scans: 128  
 Number of background scans: 0  
 Resolution: 4.000  
 Sample gain: 32.0  
 Mirror velocity: 0.3165  
 Aperture: 59.00

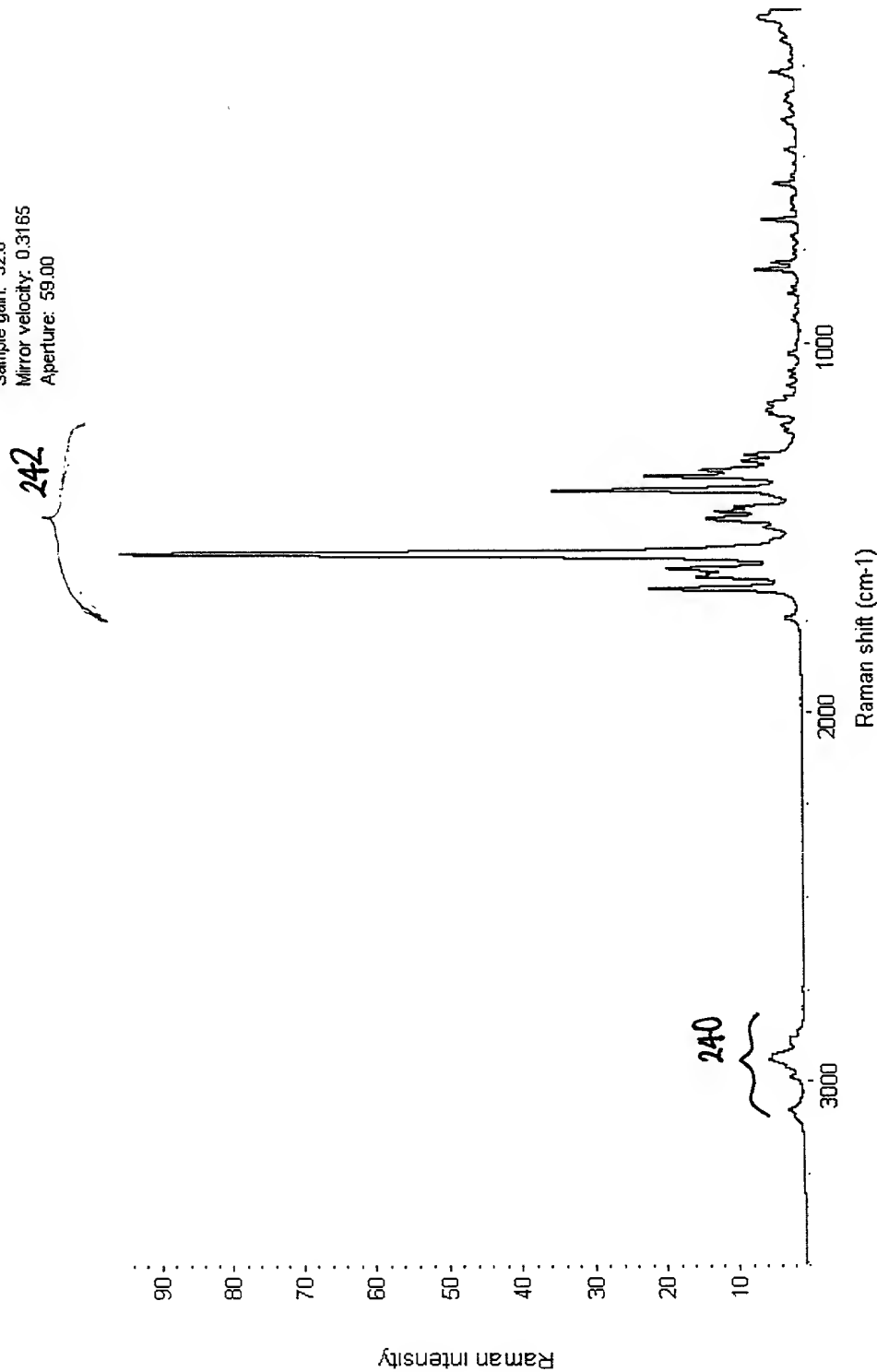


FIG. 24



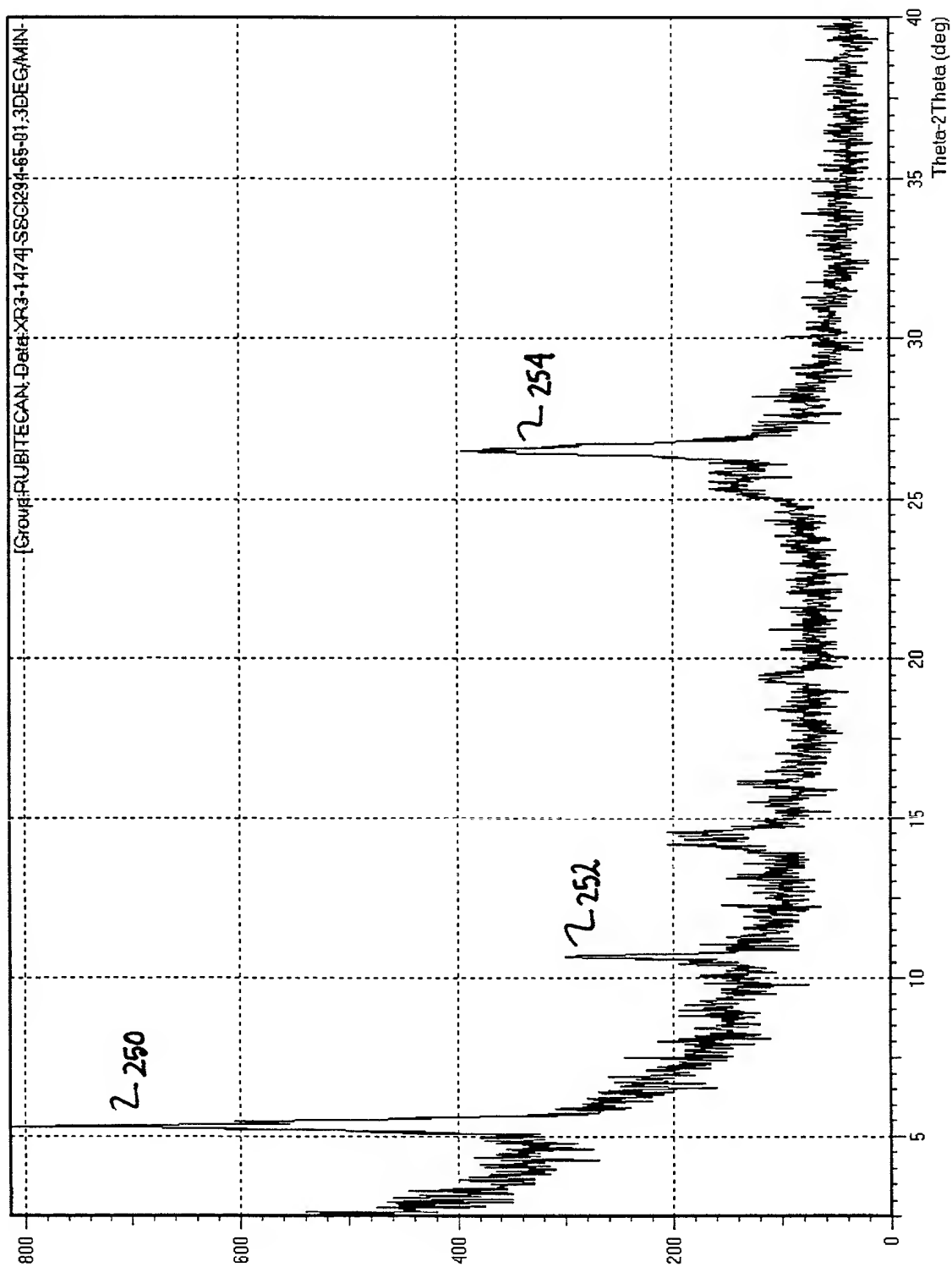


FIG. 25

REPORT FORM G

DSC (bottom) and TGA (top) of Rubitecan Form G.

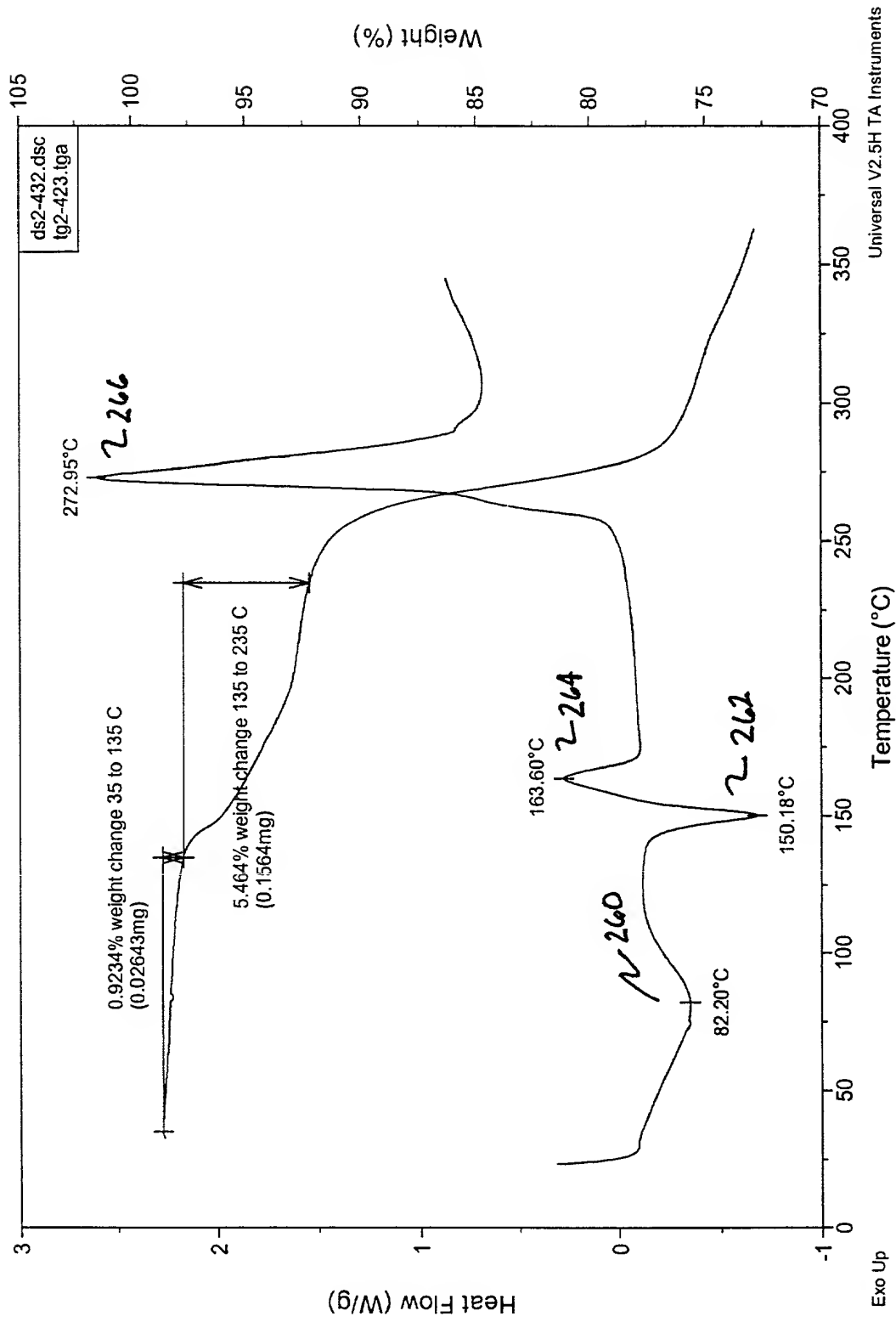


FIG. 26

IR Spectrum, Nicolet model 860 FT-IR

Acquisition Parameters

Collection time: Thu May 18 20:28:17 2000  
 Number of sample scans: 128  
 Number of background scans: 128  
 Resolution: 2.000  
 Sample gain: 8.0  
 Mirror velocity: 0.6329  
 Aperture: 69.00

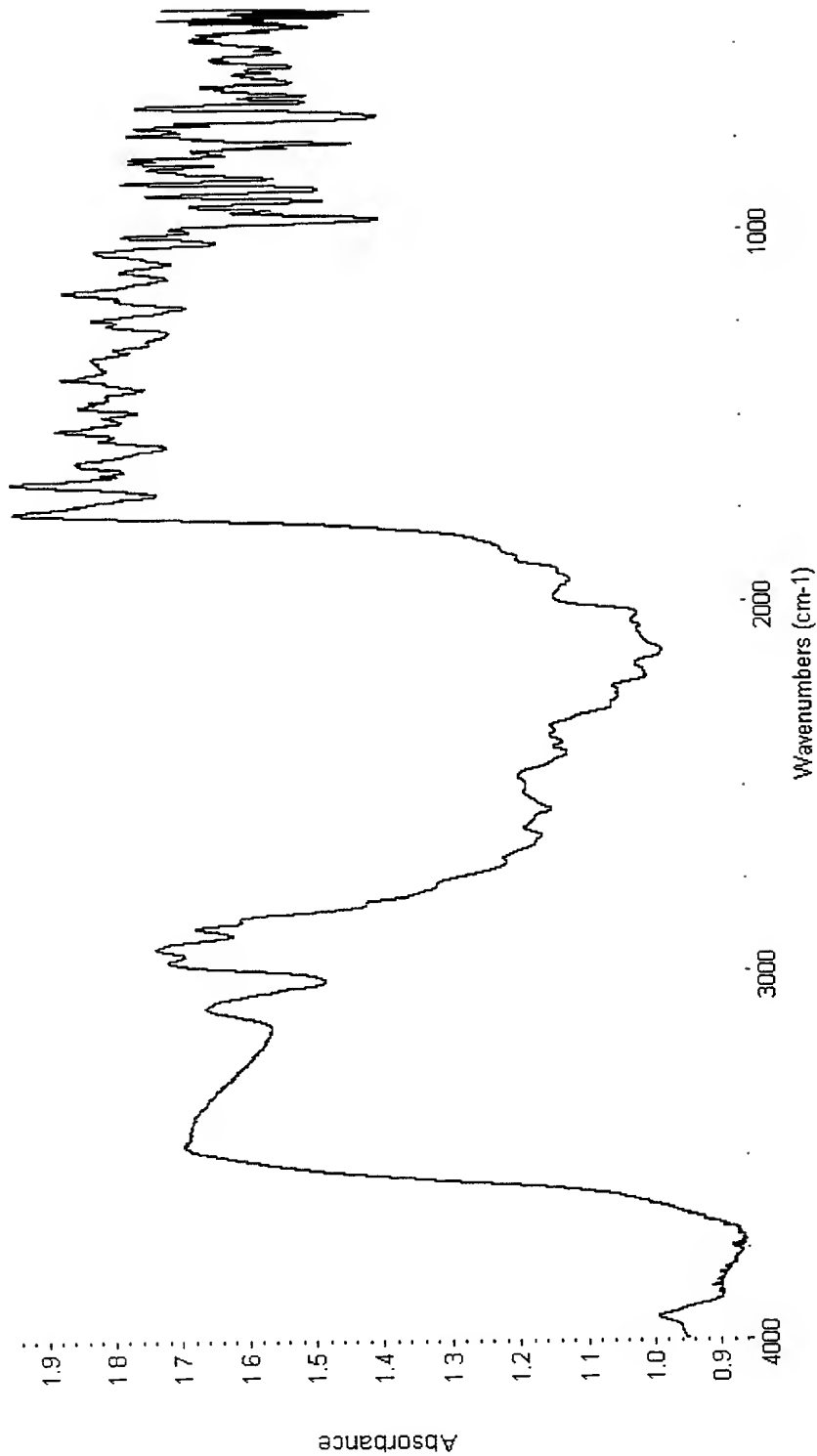


FIG. 27

# Raman Spectrum, Nicolet model 860 FT-Raman

## Acquisition Parameters

Collection time: Thu May 18 21:09:50 2000  
 Number of sample scans: 128  
 Number of background scans: 0  
 Resolution: 4.000  
 Sample gain: 4.0  
 Mirror velocity: 0.3165  
 Aperture: 59.46

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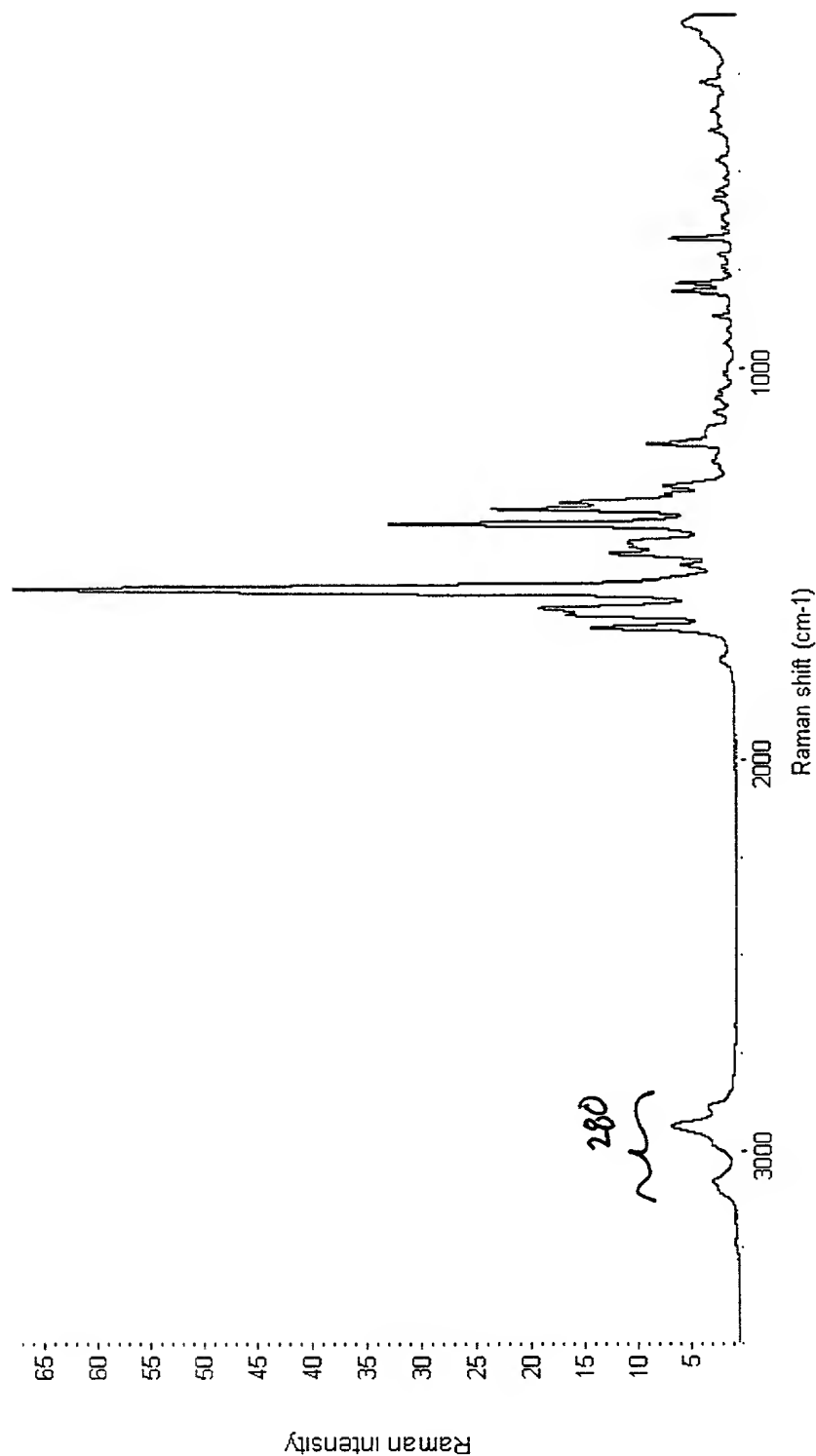


FIG. 28

XRPD Patterns of Rubitecan Solid Forms Containing Amorphous Material.

\*\*\* Multi Plot \*\*\*

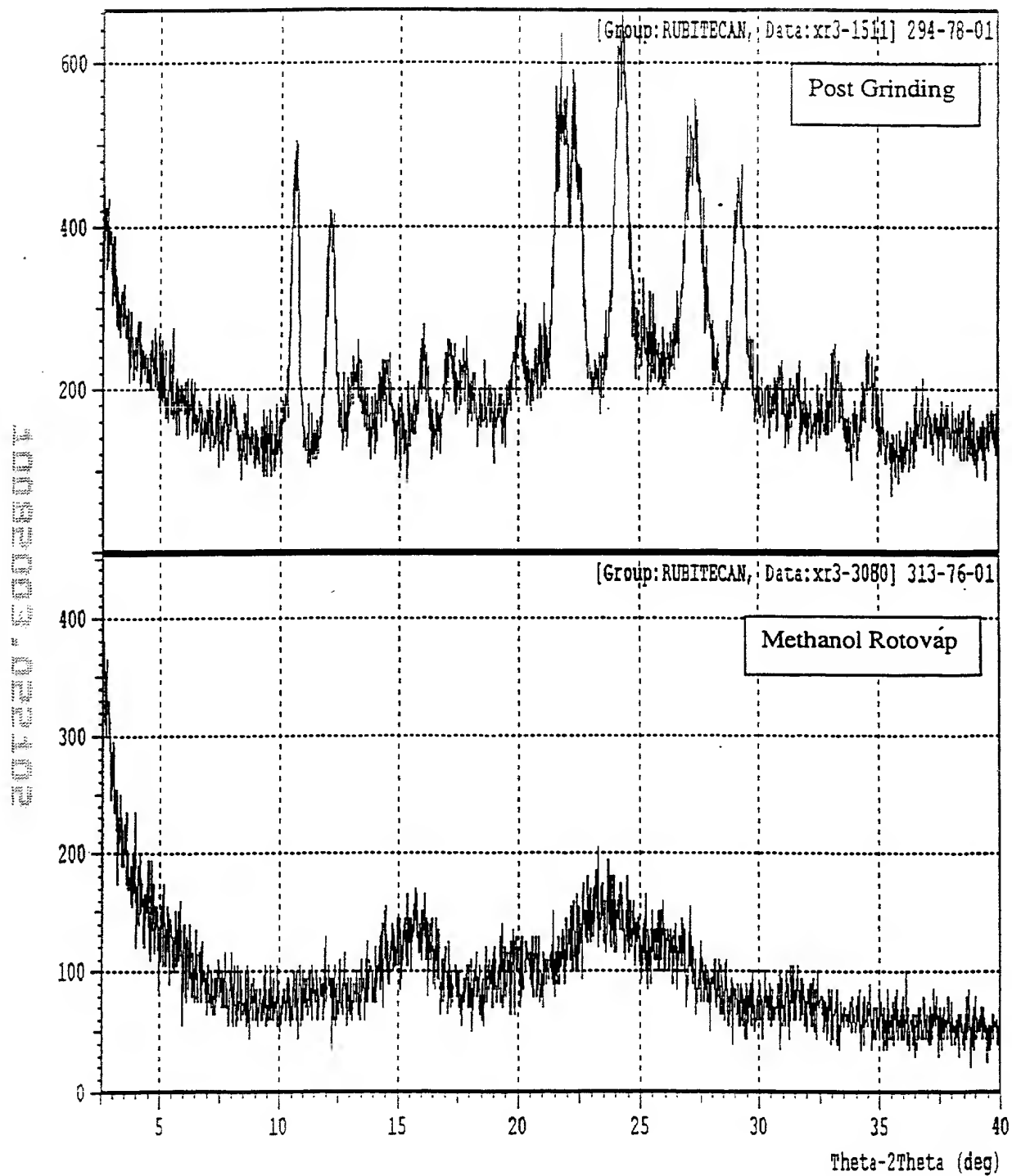


Fig. 29